

Abstract

For farmers, particularly crops farmers, 1996 was a very good year, as reflected in farm sector income accounts. Farm sector income accounts for 1996 show that net value added by the agricultural production sector increased 25 percent (\$19 billion) from net value added in 1995. Final agricultural sector output, the value of the sector's output of commodities and services before expenses, rose \$22.5 billion in 1996, powered by a \$16.9-billion jump in the value of crop production. Higher output, generally favorable prices, and a modest 3-percent rise in intermediate consumption outlays boosted net value added. The value of final crop output rose because yields were high under favorable production conditions and prices were exceptionally favorable in the first half of the year and remained strong right through harvest. Final livestock output also contributed, with a gain in production value of over \$4 billion between 1995 and 1996. These are some of the highlights of this report, which provides data and commentary on the income and finances of the farm sector at the national and State level, and estimates of production costs for major field crops, livestock, and dairy.

Keywords: Net value added, net farm income, net cash income, production expenses, cash receipts, government payments, farm assets, farm debt, equity, costs of production, enterprise costs and returns.

Acknowledgments

This publication benefited immensely from the critiques of Paul Westcott, Jerome Stam, Cheryl Steele, Pat Vines, David Harrington, and Gerald Schluter.

Preface

Farm Business Economics Report, 1996 is the third edition of farm business statistics and economic analysis published in this format. Prior to 1994, these data were found as tables in three separate documents within the *Economic Indicators of the Farm Sector* series: (1) National Financial Summary, (2) State Financial Summary, and (3) Costs of Production--Major Field Crops, & Livestock and Dairy. Part I of this publication covers national- and State-level farm income and financial balance sheet estimates that were previously included in the separate financial summaries. Part II provides the cost of production estimates for major crops and livestock. The purpose of the *Farm Business Economics Report, 1996* is to provide our readers with analyses, graphical presentations, and a comprehensive set of tables to assist them in understanding the economic developments in the farm sector during 1996.

The Economic Research Service now disseminates farm business economics information via the Internet through its website. The Farm Business Economics “Briefing Room” (www.econ.ag.gov/briefing/fbe) is designed to provide Internet users an opportunity to browse an extensive collection of data and analyses addressing the economic conditions in the U.S. farm sector. Users can download the farm income, farm balance sheet, and financial ratio indicators, and costs and returns for major crops and livestock tables printed in this report from our Internet site. In addition, users will find a voluminous historical database extending many of the data series for national and State accounts back many decades and will also find component accounts that are not published. Farm income and cost of production estimates for the previous year are completed and made available on the ERS website in October. Farm balance sheet and financial ratios data become available by late December or early January.

Given our expanding capacity to provide farm business economics information on a timely basis and in convenient formats via the Internet, the Farm Business Economics “Briefing Room” will replace the printed *Farm Business Economics Report* as the means of publishing farm income data and analyses beginning with the 1997 estimates. Since the materials in the Farm Business Economics “Briefing Room” are updated throughout the year, the user will benefit from bookmarking the site and browsing frequently for new and updated items.

Farm Business Economics Report, 1996 will be the last printed version of this report. As in previous years, the first publication of farm sector value-added and income estimates for the last calendar year, at the national level, will continue to be released in the September edition of *Agricultural Income and Finance: Situation and Outlook Report*. The estimates for 1997 were featured in the September 1998 *Agricultural Income and Finance*. The Resource Economics Division’s *Agricultural Resources and Environmental Indicators* publication also will include various aspects of farm business economics in its forthcoming editions.

This publication was prepared jointly by the Farm Structure and Performance Branch's Farm Income Team and Costs of Production Team. The Farm Structure and Performance Branch is a part of the Resource Economics Division, one of three divisions within the Economic Research Service dedicated to providing the public with timely analysis and information on the economics of the agricultural and rural sectors.

Principal contributors to this report are:

	<i>Telephone</i>	<i>E-Mail Address</i>
Branch Chief: Jim Johnson	(202) 694-5570	jimjohn@econ.ag.gov
Farm Financial Accounts		
Team Leader: Roger Strickland.....	(202) 694-5592	rogers@econ.ag.gov
Value added—Roger Strickland.....	(202) 694-5592	rogers@econ.ag.gov
Cheryl Steele.....	(202) 694-5591	cherylj@econ.ag.gov
Cash receipts—Larry Traub.....	(202) 694-5593	ltraub@econ.ag.gov
Cheryl Steele.....	(202) 694-5591	cherylj@econ.ag.gov
Government payments, CCC loans—Pat Vines	(202) 694-5594	patvines@econ.ag.gov
Production expenses—Christopher McGath	(202) 694-5579	cmcgath@econ.ag.gov
Size class: By value added—Cheryl Steele	(202) 694-5591	cherylj@econ.ag.gov
By cash income—Linda Foreman.....	(202) 694-5566	lfarmer@econ.ag.gov
Farm balance sheet, financial ratios—Ken Erickson....	(202) 694-5565	erickson@econ.ag.gov
Farm debt—Jim Ryan	(202) 694-5586	jimryan@econ.ag.gov
Costs of Production		
Team Leader: Robert McElroy	(202) 694-5578	rmcelroy@econ.ag.gov
Data Coordinator—Agnes Prentice	(202) 694-5585	agnesp@econ.ag.gov
Corn, soybeans, and hogs—Bill McBride	(202) 694-5577	wmcbride@econ.ag.gov
Grain sorghum and peanuts—Nora Brooks.....	(202) 694-5561	nbrooks@econ.ag.gov
Barley, wheat, and sugar beets—Mir Ali.....	(202) 694-5558	mirali@econ.ag.gov
Rice and oats—Janet Livezey	(202) 694-5576	jlivezey@econ.ag.gov
Cotton, tobacco, and sugarcane—Robert McElroy	(202) 694-5578	rmcelroy@econ.ag.gov
Dairy and cow-calf—Sara Short	(202) 694-5588	sshort@econ.ag.gov
Editors: Linda Hatcher	(202) 694-5121	lhatcher@econ.ag.gov
Diane Decker	(202) 694-5116	ddecker@econ.ag.gov
Publication Coordinator: Dave Peacock	(202) 694-5582	dpeacock@econ.ag.gov
Publication assistance—Laverne Creek	(202) 694-5562	lmcreek@econ.ag.gov
Computer assistance—Phil Friend	(202) 694-5027	pfriend@econ.ag.gov
Joyce Su.....	(202) 694-5044	joycesu@econ.ag.gov
Beverly Powell	(202) 694-5043	bpowell@econ.ag.gov

Contents

	<i>Page</i>
List of Figures .....	.vi
List of Tables .....	.viii
Summary .....	.xiv

Part I: Farm Income and Farm Financial Balance Sheet

Chapter 1: National Farm Income Estimates, 1996	
Net Value Added and Net Farm Income Attain New Highs in 1996 .....	.2
Chapter 2: State Farm Income Estimates, 1996	
Net Farm Income Rebounds in Most States in 1996 .....	.17
Chapter 3: Farm Sector Balance Sheet, 1996	
Farm Assets, Debt, and Equity Up in 1996 .....	.52
Chapter 4: Farm Sector Financial Performance Measures, 1996	
Farm Sector Financial Performance Improved Across the Nation .....	.83
Chapter 5: Farm Income Estimates by Size Class, 1996	
The Insights of Value Added Accounts by Farm Size .....	.98
Chapter 6: Government Payments, 1996	
Government Payments in 1995 and 1996 Lowest in 15 Years .....	.111
Chapter 7: Farm Sector Debt, 1996	
Farm Business Debt Rose \$5 Billion in 1996 .....	.118

Part II: Costs of Production—Major Field Crops, Livestock, and Dairy

Chapter 8: Costs of Production for Crops, Livestock, and Milk, 1996	
Although Input Expenses Were Generally Rising in 1996, Strong Market Prices for Most Commodities Led to Higher Net Returns .....	.128
Corn —Unique Market Conditions Resulted in Record Returns .....	.129
Soybeans —Prices and Yields Higher in 1996; Record Returns. ....	.132
Wheat —Returns for 1996 Difficult To Interpret Due to Regional Yield Differences .....	.135
Cotton —Variable Cash Expenses Remained Relatively Unchanged in 1996 .....	.138
Rice —Tight Stocks Boosted Prices, Improved Net Returns. ....	.141
Grain Sorghum —Net Returns to Management Negative in 1996 but Considerably Improved .....	.144
Barley —At the National Level, Yields and Prices Were Higher in 1996 .....	.147
Oats —Net Returns More Than Tripled; Residual Returns Positive .....	.150
Sugar Beets —Rising Input Prices Raised Variable Cash Costs . ....	.153
Sugarcane —Variable Cash Growing Expenses Up 3 Percent per Pound .....	.157
Peanuts —Area Planted Continued Falling, Down 8 Percent .....	.161

	<i>Page</i>
Tobacco —Variable Costs of Flue-Cured Tobacco Up Almost 7 Percent	164
Milk —Cash Costs Up 6 Percent	168
Hogs —Higher Hog Prices Mostly Offset by Higher Feed Costs in 1996	171
Cow-Calf —Operators Once Again Failed To Cover Cash Costs	177

Appendices

Appendix I : Cash Receipts for Commodities by State	180
Appendix II : Major Data Sources for the Value-Added/Farm Income and Balance Sheet Accounts	233

List of Figures

Figure

Page

Part I: Farm Income and Farm Financial Balance Sheet

Chapter 1: National Farm Income Estimates, 1996

1-1	Net value added, net farm income, and net cash income, 1992-96	11
1-2	Net value added by farm sector and shares to farm operator and nonoperator participants, 1992-96	11
1-3	Final crop and animal output, 1990-96	11
1-4	Corn, soybeans, and wheat production, 1990-96	11
1-5	Final agricultural sector output and intermediate consumption outlays, 1990-96 . . .	11
1-6	Direct government payments and farm sector payments to government, 1980-96 . .	11
1-7	Monthly corn prices, 1994-96	12
1-8	Monthly wheat prices, 1994-96	12
1-9	Monthly soybean prices, 1994-96	12
1-10	Monthly upland cotton prices, 1994-96	12
1-11	Monthly beef prices, 1994-96	12
1-12	Monthly hog prices, 1994-96	12

Chapter 2: State Farm Income Estimates, 1996

2-1	Top 20 States ranked by value of production, 1996	21
2-2	Top 20 States ranked by value of production per acre, 1996	21
2-3	Top 20 States ranked by net farm income, 1996	21
2-4	Top 20 States ranked by net farm income per acre, 1996	21

Chapter 3: Farm Sector Balance Sheet, 1996

3-1	Farm business equity in current and real (1992) dollars, 1970-96	53
3-2	Farm sector asset value, 1992-96	53
3-3	Farm sector debt, 1992-96	53
3-4	Farm assets and debt, 1992-96	53

Chapter 4: Farm Sector Financial Performance Measures, 1996

4-1	Rates of return to assets, 1975-96	85
4-2	Debt asset ratios, 1975-96	85
4-3	Asset turnover ratios, 1975-96	85
4-4	Interest-to-gross-cash income ratios, 1975-96	85
4-5	Farm debt service coverage ratios, 1975-96	85
4-6	Debt servicing ratios, 1975-96	85

Chapter 5: Farm Income Estimates by Size Class, 1996

5-1	Distribution of property-related expenses, 1996	102
5-2	Distribution of variable costs related to production, 1996	103

Chapter 7: Farm Sector Debt, 1996

7-1	U.S. farm sector debt, selected years	120
7-2	Debt capacity utilization, 1970-96	120

*Part II: Costs of Production—Major Field Crops, Livestock, and Dairy***Chapter 8: Costs of Production for Crops, Livestock, and Milk, 1996**

8-1	Corn production regions	130
8-2	Soybean production regions	133
8-3	Wheat production regions	136
8-4	Cotton production regions	139
8-5	Rice production regions	142
8-6	Grain sorghum production regions	145
8-7	Barley production regions	148
8-8	Oat production regions	151
8-9	Sugar beet production regions	154
8-10	Sugarcane production regions	158
8-11	Peanut production regions	162
8-12	Tobacco production regions	165
8-13	Milk production regions	169
8-14	Hog production regions	172
8-15	Cow-calf production regions	178

List of Tables

<i>Table</i>	<i>Page</i>
<i>Part I: Farm Income and Farm Financial Balance Sheet</i>	
Chapter 1: National Farm Income Estimates, 1996	
1-1	Value added to the U.S. economy by the agricultural sector via the production of goods and services, 1992-96
	13
1-2	United States: Farm income indicators, 1992-96
	14
1-3	Leading commodities for cash receipts, 1996
	15
1-4	Farm sector gross capital expenditures, 1985-96
	16
1-5	Farm sector capital replacement costs, 1985-96
	16
 Chapter 2: State Farm Income Estimates, 1996	
2-1	Value added to the economy by the agricultural sector via the production of goods and services, 1992-96
	Alabama and Alaska
	22
	Arizona and Arkansas
	23
	California and Colorado
	24
	Connecticut and Delaware
	25
	Florida and Georgia
	26
	Hawaii and Idaho
	27
	Illinois and Indiana
	28
	Iowa and Kansas
	29
	Kentucky and Louisiana
	30
	Maine and Maryland
	31
	Massachusetts and Michigan
	32
	Minnesota and Mississippi
	33
	Missouri and Montana
	34
	Nebraska and Nevada
	35
	New Hampshire and New Jersey
	36
	New Mexico and New York
	37
	North Carolina and North Dakota
	38
	Ohio and Oklahoma
	39
	Oregon and Pennsylvania
	40
	Rhode Island and South Carolina
	41
	South Dakota and Tennessee
	42
	Texas and Utah
	43
	Vermont and Virginia
	44
	Washington and West Virginia
	45
	Wisconsin and Wyoming
	46
2-2	Ranking of 10 leading States in cash receipts for top 25 commodities, 1996
	47
2-3	States ranked by cash receipts, with five leading commodities, 1996
	49
2-4	Value of production, net value added, and net farm income for States, 1995-96, ranked by 1996 value of production
	50
2-5	Ranking of States for net farm income, value of production per acre, and net farm income per acre, 1996
	51

Chapter 3: Farm Sector Balance Sheet, 1996

3-1	Farm business balance sheet components for 1996 by State, with percentage changes from 1995 .....	.54
3-2	Farm business balance sheet components for 1996 by State, with percentage changes from 1991 .....	.55
3-3	Farm business balance sheet components for 1996 by State, with percentage changes from 1986 .....	.56
3-4	Farm business balance sheet, United States, December 31, 1992-96 .....	.57
3-5	Farm business balance sheet by State, December 31, 1992-96	
	Alabama and Alaska .....	.58
	Arizona and Arkansas .....	.59
	California and Colorado .....	.60
	Connecticut and Delaware .....	.61
	Florida and Georgia .....	.62
	Hawaii and Idaho .....	.63
	Illinois and Indiana .....	.64
	Iowa and Kansas .....	.65
	Kentucky and Louisiana .....	.66
	Maine and Maryland .....	.67
	Massachusetts and Michigan .....	.68
	Minnesota and Mississippi .....	.69
	Missouri and Montana .....	.70
	Nebraska and Nevada .....	.71
	New Hampshire and New Jersey .....	.72
	New Mexico and New York .....	.73
	North Carolina and North Dakota .....	.74
	Ohio and Oklahoma .....	.75
	Oregon and Pennsylvania .....	.76
	Rhode Island and South Carolina .....	.77
	South Dakota and Tennessee .....	.78
	Texas and Utah .....	.79
	Vermont and Virginia .....	.80
	Washington and West Virginia .....	.81
	Wisconsin and Wyoming .....	.82

Chapter 4: Farm Sector Financial Performance Measures, 1996

4-1	Farm financial ratios, United States, 1960-96 .....	.86
4-2	Farm financial ratios by State, 1992 .....	.88
4-3	Farm financial ratios by State, 1993 .....	.90
4-4	Farm financial ratios by State, 1994 .....	.92
4-5	Farm financial ratios by State, 1995 .....	.94
4-6	Farm financial ratios by State, 1996 .....	.96

Chapter 5: Farm Income Estimates by Size Class, 1996

5-1	Number of farms, net value added, and net farm income by value of size class, 1996 .....	.104
5-2	Percentage distribution for number of farms, net value added, and net farm income by value of size class, 1996 .....	.105
5-3	Number of farms and cash receipts by value of size class, 1996 .....	.106

<i>Table</i>	<i>Page</i>
5-4 Percentage distribution for number of farms and cash receipts by value of size class, 1996	107
5-5 Number of farms, net value added, and net farm income by value of size class, 1995	108
5-6 Number of farms and net cash income by value of size class, 1995	109
5-7 Number of farms and net cash income by value of size class, 1996	110

Chapter 6: Government Payments, 1996

6-1 Direct government payments by program, United States, 1950-96	113
6-2 Total direct government payments by State, 1990-96	114
6-3 Direct government payments by program and State, 1994	115
6-4 Direct government payments by program and State, 1995	116
6-5 Direct government payments by program and State, 1996	117

Chapter 7: Farm Sector Debt, 1996

7-1 Real estate farm business debt by State, December 31, 1994	121
7-2 Nonreal estate farm business debt by State, December 31, 1994	122
7-3 Real estate farm business debt by State, December 31, 1995	123
7-4 Nonreal estate farm business debt by State, December 31, 1995	124
7-5 Real estate farm business debt by State, December 31, 1996	125
7-6 Nonreal estate farm business debt by State, December 31, 1996	126

Part II: Costs of Production—Major Field Crops, Livestock, and Dairy

Chapter 8: Costs of Production for Crops, Livestock, and Milk, 1996

Corn

8-1A Corn production cash costs and returns, excluding direct government payments, 1995-96	131
8-1B Corn production economic costs and returns, excluding direct government payments, 1995-96	131

Soybeans

8-2A Soybean production cash costs and returns, 1995-96	134
8-2B Soybean production economic costs and returns, 1995-96	134

Wheat

8-3A Wheat production cash costs and returns, excluding direct government payments, 1995-96	137
8-3B Wheat production economic costs and returns, excluding direct government payments, 1995-96	137

Cotton

8-4A Cotton production cash costs and returns, excluding direct government payments, 1995-96	140
8-4B Cotton production economic costs and returns, excluding direct government payments, 1995-96	140

<i>Table</i>	<i>Page</i>
Rice	
8-5A Rice production cash costs and returns, excluding direct government payments, 1995-96 . . . . .	.143
8-5B Rice production economic costs and returns, excluding direct government payments, 1995-96 . . . . .	.143
Grain sorghum	
8-6A Grain sorghum production cash costs and returns, excluding direct government payments, 1995-96 . . . . .	.146
8-6B Grain sorghum production economic costs and returns, excluding direct government payments, 1995-96 . . . . .	.146
Barley	
8-7A Barley production cash costs and returns, excluding direct government payments, 1995-96 . . . . .	.149
8-7B Barley production economic costs and returns, excluding direct government payments, 1995-96 . . . . .	.149
Oats	
8-8A Oat production cash costs and returns, excluding direct government payments, 1995-96 . . . . .	.152
8-8B Oat production economic costs and returns, excluding direct government payments, 1995-96 . . . . .	.152
Sugar beets	
8-9A Sugar beet production cash costs and returns, 1995-96 . . . . .	.155
8-9B Sugar beet production economic costs and returns, 1995-96 . . . . .	.155
8-9C Beet sugar processing costs per net ton of sugar beets by cost item and area, 1995-96 . . . . .	.156
8-9D Beet sugar processing costs per pound of refined sugar by cost item and area, 1995-96 . . . . .	.156
Sugarcane	
8-10A Sugarcane production cash costs and returns, 1995-96 . . . . .	.159
8-10B Sugarcane production economic costs and returns, 1995-96 . . . . .	.159
8-10C Sugarcane processing costs per net ton by cost item and area, 1995-96 . . . . .	.160
8-10D Sugarcane processing costs per pound of 96-degree raw sugar by cost item and area, 1995-96 . . . . .	.160
Peanuts	
8-11A Peanut production cash costs and returns, 1995-96 . . . . .	.163
8-11B Peanut production economic costs and returns, 1995-96 . . . . .	.163
Tobacco	
8-12A Flue-cured tobacco production cash costs and returns, 1995-96 . . . . .	.166
8-12B Burley tobacco production cash costs and returns, 1995-96 . . . . .	.167
8-12C Burley tobacco production economic costs and returns, 1995-96 . . . . .	.167
Milk	
8-13A Milk production cash costs and returns, 1995-96 . . . . .	.170
8-13B Milk production economic costs and returns, 1995-96 . . . . .	.170

<i>Table</i>	<i>Page</i>
Hogs	
8-14A Hog production cash costs and returns, 1995-96	173
8-14B Hog production economic costs and returns, 1995-96	173
8-15A Farrow-to-finish production cash costs and returns, 1995-96	174
8-15B Farrow-to-finish production economic costs and returns, 1995-96	174
8-16A Farrow-to-feeder pig production cash costs and returns, 1995-96	175
8-16B Farrow-to-feeder pig production economic costs and returns, 1995-96	175
8-17A Feeder pig-to-finish production cash costs and returns, 1995-96	176
8-17B Feeder pig-to-finish production economic costs and returns, 1995-96	176
Cow-Calf	
8-18A Cow-calf production cash costs and returns, 1995-96	179
8-18B Cow-calf production economic costs and returns, 1995-96	179

Appendix I: Cash Receipts for Commodities by State

Appendix table Cash receipts by commodity groups and selected commodities,
United States and States, 1992-96

United States	181
Alabama	183
Alaska	184
Arizona	184
Arkansas	186
California	187
Colorado	189
Connecticut	190
Delaware	191
Florida	191
Georgia	193
Hawaii	194
Idaho	195
Illinois	196
Indiana	197
Iowa	198
Kansas	199
Kentucky	199
Louisiana	200
Maine	201
Maryland	202
Massachusetts	203
Michigan	204
Minnesota	205
Mississippi	206
Missouri	207
Montana	208
Nebraska	209
Nevada	209
New Hampshire	210

<i>Table</i>	<i>Page</i>
New Jersey .....	.211
New Mexico .....	.212
New York .....	.213
North Carolina .....	.214
North Dakota .....	.215
Ohio .....	.216
Oklahoma .....	.217
Oregon .....	.218
Pennsylvania .....	.220
Rhode Island .....	.221
South Carolina .....	.221
South Dakota .....	.223
Tennessee .....	.223
Texas .....	.224
Utah .....	.226
Vermont .....	.227
Virginia .....	.227
Washington .....	.228
West Virginia .....	.230
Wisconsin .....	.231
Wyoming .....	.232

Summary

Farm Income Up in 1996

For farmers, particularly crop farmers, 1996 was a very good year, as reflected in farm sector income accounts. Farm sector income accounts for 1996 show that net value added by the agricultural production sector increased 25 percent (\$19 billion) from net value added in 1995. This report provides data and commentary on the income and finances of the farm sector at the national and State level, and estimates of production costs for major field crops, livestock, and dairy.

Final agricultural sector output, the value of the sector's output of commodities and services before expenses, rose \$22.5 billion in 1996, powered by a \$16.9-billion jump in the value of crop production. Higher output, generally favorable prices, and a modest 3-percent rise in intermediate consumption outlays boosted net value added. The value of final crop output rose because yields were high under favorable production conditions and because prices were exceptionally favorable in the first half of the year and remained strong right through harvest. Final livestock output also contributed, with a gain in production value of over \$4 billion between 1995 and 1996.

Operators bear most of the risks of production and marketing and reap both the losses and gains in income from unanticipated short-term changes in production and market conditions. That 1996 was a banner year for operators is reflected in the 46-percent gain in net farm income to a record \$52 billion. Weather conditions were nearly ideal in most regions of the country, leading to record yields for many crops. International demand for U.S. animal and crop products was strong, generating a high level of exports, which in turn provided support to prices received by farmers.

The total value of 1996 crop sales was up 17 percent. In volume, feed crops were the predominant contributors, but sales of food grains rose 11 percent and oil crop sales were up 15 percent, as low international stocks drove soybean prices higher just as U.S. production soared. In 1996, \$4 billion worth of crop production went to rebuild inventories depleted by a comparable amount at the end of 1995. In meat animals, rising hog prices were offset by declining beef prices. However, sales of poultry and dairy products soared.

Production expenses in 1996 were up \$7 billion from 1995. Major areas of increased expenses were feed, seed, pesticides, and rent. Net cash income, which reflects only cash sales and expenses for the accounting year, was up by \$8.7 billion. As a cash income indicator, net cash income does not reflect the \$4-billion addition to inventories for later disposition.

Direct government payments in 1996 were up a meager \$32 million (0.4 percent) from those of 1995, when payments were the lowest since 1982. Beginning in 1996, farm programs changed markedly with implementation of the 1996 Farm Act. Because production flexibility contracts are not related to market prices, government payments were made at the same time market prices were high.

Farm Sector Financial Conditions Remain Strong

Farm sector financial conditions remained strong in 1996. The debt-asset ratio for U.S. farmers as a group was 15.1, indicating that the value of assets was seven times higher than the value of outstanding debt.

The value of farmers' equity has risen consistently in recent years, having soared 55 percent since 1986. Equity was up 24 percent between 1990 and 1996, and rose over 5 percent in 1996. The value of assets reached another milestone in 1996: For the first time they exceeded \$1 trillion. Various measures of the farm debt burden indicate that it is rising, which is always a matter of concern, but it is not threatening to the sector's financial condition. Assets, debt, and equity have risen 5 percent, 3.4 percent, and 5.3 percent since 1995, and 22 percent, 4.6 percent, and 24 percent since 1991. For the decade of 1986-96, assets and equity rose 43 percent and 55 percent, respectively, while debt declined slightly (-0.5 percent).

Grain Crop Returns Higher in 1996, Acreage Smaller

Costs and returns estimates show that higher 1996 prices led to higher returns for corn, wheat, and rice, despite lower yields and higher expenses. Average barley returns above cash costs in 1996 were nearly double those of 1994. However, a decline in the value of soybean production, along with higher costs,

caused returns above total economic costs to fall about \$2-\$4 per acre between 1994 and 1996. Peanut and cotton returns were also down for 1996. Acreage planted to major crops tended to fall between 1994 and 1996, with the exception of durum wheat, soybeans, and cotton. Total U.S. planted acreage declined 1.7 percent. In response to favorable prices, cotton acreage has dramatically increased in the Southeast in recent years.

Crop prices received by farmers in 1996 were up an average of 6.7 percent from those of 1995, but average livestock prices were down 3.2 percent. Returns to market hogs increased due to more favorable prices. However, feeder pig prices did not follow the upturn in market hog prices, and returns to feeder pig production were down. As beef production increased and more beef moved through the market, cattle prices declined. Consequently, returns above total economic costs for beef producers declined in 1996.

Part I
Farm Income and
Farm Financial Balance Sheet

Net Value Added and Net Farm Income Attain New Highs in 1996

Roger Strickland and Chris McGath

Net value added and **net farm income** reached record levels in 1996, rising substantially from 1995 (table 1-1, table 1-2, and fig. 1-1). **Net value added** for 1996 was \$19.1 billion more than in 1995, up 25 percent, and \$9.5 billion greater than its previous high in 1994. Because net value added represents the total value of the farm sector's output of goods and services, less payments to other (nonfarm) sectors of the economy, it reflects production agriculture's addition to national output.¹ It also represents the sum of the economic returns to all the providers of factors of agricultural production: farm employees, lenders, landlords, and farm operators (fig. 1-2).

The \$22.6-billion rise in final agricultural sector output far exceeded the \$3.4 billion in out-of-pocket costs represented by intermediate consumption outlays, resulting in \$19.1 billion more to be distributed among the providers of resources to the farm sector. As a consequence, hired workers received 6.1 percent more than in 1995 and lenders received an increase of 3.9 percent for their contributions to 1996 farm production. The earnings of nonoperator landlords were up 19.3 percent, reflecting several factors. Holders of share-rent contracts benefited from the additional \$17 billion in crop production. Indications are that the implementation of the Federal Agriculture Improvement and Reform Act of 1996 has resulted in two significant trends in rental arrangements. First, landlords are renegotiating contract terms and raising rents to reflect the value of the government's payments and the certainty of the multiyear schedule of payments. Second, landlords are substituting cash leases for crop-share leases, obtaining higher rents and lessening the risk sharing.

Net farm income, which jumped \$15.4 billion from 1995 to 1996, is that portion of net value added earned by farm operators (defined as those individuals and entities who share in the risks of production). In fact, the major share of the 1996 increment to net value

added accrued to farm operators. Typically, it is the farm operators who benefit most from the increases and absorb most of the declines arising from short-term, unanticipated weather and market conditions. However, due to the rise in earnings of farm employ-

About the Value-Added Format

The *value added format* is now used to present the agricultural sector income accounts for the United States, replacing the traditional net farm income format. The underlying accounting concepts remain the same under the new format and **the value for net farm income is identical**.

The presence of more disaggregated components under the value added format makes it much easier to discern what forces are driving the changes and trends in farm income. Changes in commodity production are the cause of most of the volatility in the income accounts, and much more detail is available to the reader in the value added format. For example, the critical impact of the value of feed grain production on the gyrations in net farm income is clearly observable in the value added format but not the previous presentation format. Likewise, the additional contributions in 1996 of soybeans, poultry, and dairy are clearly evident.

Perhaps most importantly, the value added approach to sector accounting has the advantage of being the format accepted and used internationally, thereby enabling comparisons across countries. Cross-country comparisons became more important with the sweeping changes in Federal agricultural commodity programs enacted under the Federal Agriculture Improvement and Reform Farm Act is the elimination of government controls on production as a requirement for Federal support payments to farmers. Producer planting decisions will now be based on incentives from the marketplace, which is truly global in scope.

For those who may wish to verify or otherwise have a better understanding of the relationship between the new and old presentation formats, two tables providing a map of how to do a crosswalk between the two formats are available in the national farm income section of the ERS Website (www.econ.ag.gov) or by requesting a copy from the Farm Income Accounts Team Leader (E-mail: rogers@econ.ag.gov)

¹ERS value-added estimates are used by the Bureau of Economic Analysis, U.S. Department of Commerce, for the National Income and Product Accounts (see p. 32, *Agricultural Income and Finance*, AIS-58, September 1995) and by the Organization for Economic Cooperation and Development in its international agricultural accounts.

ees, lenders, and landlords, net farm income rose less in 1996 than the increase in overall net value added (table 1-1, fig. 1-2).

Net cash income rose \$8.8 billion, or 17.1 percent, from 1995 to 1996 (table 1-2). Net cash income reflects the cash earnings generated by the farm business that are available for debt servicing, capital purchases, and distribution to farm households to cover family living expenses. Net cash income, unlike net farm income, does not include the value of home consumption, changes in inventories, capital replacement, and implicit rent and expenses related to the farm operator's dwelling, which do not reflect cash transactions during the current year. Consequently, net cash income is more appropriate as an indicator of solvency than a measure of the value of the sector's output, which is viewed more accurately using either net value added (for the sector) or net farm income (for operators). Net cash income exhibits less volatility than net farm income, as producers try to manage their cash flow to meet multiple objectives: paying debt and family expenses, smoothing year-to-year income fluctuations to minimize income tax liabilities, and maximizing income by postponing sales in anticipation of higher prices or accelerating sales in anticipation of lower prices.

Agricultural Sector Output 11 Percent Higher in 1996

Final agricultural sector output, the value of the agricultural sector's output of commodities and services before expenses, rose \$22.6 billion in 1996 to \$226.2 billion (table 1-1). Higher output, reduced by an increase in intermediate consumption outlays of \$3.4 billion, accounts for most of the \$19.1-billion jump in **net value added**. The value of final 1996 crop output soared \$17 billion, reflecting rebounds in acreage and yields for major crops, both of which had declined in 1995 following 1994's record harvest (fig. 1-3). Crop prices were much higher in the first half of 1996 relative to the same period in the prior year and tended to remain stable in the latter half of the year, despite the rebound in production (figs. 1-7, 1-8, 1-9, 1-10). With the large harvest, farmers added \$4 billion of harvested crops to end-of-year inventories for later sale. Inclusion of the inventory change enables a full accounting of a current year's production in the tabulation of the calendar year's farm sector output (table 1-1, figs. 1-1 and 1-2).

At nearly \$92 billion, the total value of livestock production in 1996 was \$4.3 billion higher than in 1995, and the first increase in 3 years (fig. 1-3). Substantial increases in the sales of hogs, poultry, and dairy products more than offset a \$4-billion decline in cattle production. Market prices available to farmers for hogs, poultry, and dairy were all up in 1996 (fig. 1-12). The \$4-billion fall in cattle production stemmed from a \$2.9-billion drop in receipts and a \$1.1-billion decline due to a reduction in the herd (inventory adjustment). After having declined for the 3 prior years, beef prices stabilized near 1995 levels (fig. 1-11), but herd liquidation continued, as producers were caught in an ongoing cost-price squeeze without prospects of an immediate turnaround.

Production inputs purchased and used within the current production year, called **intermediate consumption outlays** in table 1-1, rose a modest \$3.4 billion (3.1 percent) in 1996. Changes in individual components were not particularly noteworthy but were consistent with adjustments in production. Livestock purchases were down, reflecting a continuation of the downturn in the beef cycle. Expenditures related to crop production were generally up, in line with the increase in acreage planted (table 1-1).

Net government transactions, the flow of funds between the agricultural and government sectors, fell to under \$1 billion in 1994. By 1995, this measure had fallen below \$100 million, and declined further to \$30 million in 1996. This decline reflects that the agricultural sector has recently paid the government (mostly State and local entities) nearly as much in taxes and fees as it received in (Federal) payments under various farm programs. Net government transactions reached a record high of \$11 billion in 1987, in the midst of the farm sector's financial crisis (fig. 1-6). The significant decline in this measure is a reflection of both the general decrease in government payments (most of which were developed to support farm operator incomes) since 1987, and the steady growth in licensing fees and property taxes collected from the agricultural sector. (Income taxes are not included in the accounts because they are not incurred in production.) Government payments to the agricultural sector in 1996 fell to 44 percent of their record 1987 level, while the sector's payments to government entities reached 139 percent of their 1987 amount. Lower government payments in the 1990's (except for 1993) were due to the relatively high prices and low deficiency payments, partially the result of an expansion

in demand, including growth in exports of agricultural commodities.

Farm Marketing Receipts Up in 1996

World economic growth and trade liberalization are providing increased opportunities for U.S. exports, and this environment has translated into strong export growth for the U.S. crop and livestock sectors in the 1990's (see box on U.S. agricultural exports). In 1996, the value of marketings of all farm commodities rose \$14.6 billion (table 1-2). Continuing an unbroken trend stretching back to 1987, cash receipts from sales of crops exceeded those of the previous year, having risen 42 percent since 1987. In contrast, livestock receipts rose in 1996 by \$5.9 billion, after 2 years of decline (fig. 1-3). The increases in livestock receipts were powered by increases of \$3.3 billion and \$2.9 billion in sales of poultry and dairy products, respectively. Receipts from sales of meat animals declined slightly as a drop in cattle sales more than offset a \$2.4-billion rise in hog sales.

Strong growth in U.S. grain use supported commodity prices, and 1996 was a favorable year for feed crop farmers, who planted more acres, benefited from higher yields, and sold their production at high prices. Both domestic and export demand were strong, with low

carryin stocks. Corn and soybean sales were up an impressive \$2.9 billion and \$2.4 billion, respectively. Notable gains in sales were also achieved by wheat (\$841 million), cotton (\$610 million), greenhouse/nursery (\$446 million), sorghum grain (\$441 million), rice (\$293 million), and potatoes (\$235 million). Corn production, which typically represents close to one-fifth of crop sales value, contributed \$6.1 billion to the rise in the value of crop production, as producers sold \$3 billion more than in 1995 and added another \$3.1 billion to yearend inventories for future sale. Soybeans also made a \$2.9-billion contribution and, unlike corn, had almost no buildup in inventory.

With the notable exception of cattle, which are in the downward phase of their multiyear production cycle, 1996 was, financially speaking, a good year for producers of farm commodities. While not always at record levels, both prices and yields were generally favorable, putting farmers in the enviable position of having commodities to market when prices were at advantageous levels. This and the relatively small expansion, by recent historical standards, in total production expenses (3.1 percent) are key explanations for the \$15.5-billion rise in **net farm income** (table 1-2 and fig. 1-1).

Agricultural Exports Surpass \$60 Billion

U.S. agricultural exports were a record \$60.4 billion in calendar year 1996, 8 percent higher than in 1995. Strong prices for grains and soybeans boosted bulk exports 12 percent to \$28.1 billion, the highest since 1981. High-value product (HVP) exports reached a record \$32.3 billion.

Bulk Exports Led Growth in 1996

In 1996, bulk exports accounted for much of the rise in U.S. agricultural export value. Even though export volume declined, higher grain and soybean prices boosted the export value to \$28.1 billion. Corn export volume fell 13 percent, but increased prices raised the value 15 percent. Wheat shipments also declined, but export value surged 15 percent due to higher prices caused by tight supplies. Soybean volume, unlike grains, rose 12 percent to a record 25.6 billion tons in 1996. Soybean exports to China, Mexico, and Indonesia were especially strong, setting records in 1996. At \$286 per ton, soybean export prices were nearly 21 percent higher than in 1995, boosting the total value of soybean shipments 36 percent. While cotton exports declined 26 percent in both volume and value, exports to Canada and Mexico were a record 64,000 tons and 150,000 tons, respectively.

HVP Exports Advance for Eleventh Consecutive Year

Although (HVP) exports continued an 11-year upward trend, they increased only 5 percent in 1996, primarily due to the slowdown in beef exports and small horticultural export gains. HVP gains were largely due to increased poultry meat, animal feed, and soybean meal exports. Poultry meat exports jumped 23 percent to a record \$2.5 billion. Shipments to Russia were a record 937,000 tons. China represented a small but rapidly growing market for poultry meat in 1996. U.S. port exports also reached records, 306,000 tons and \$1 billion in value. Exports of animal feeds and fodders advanced 5 percent to \$2.6 billion in 1996. Sharply higher prices boosted the value of soybean meal exports 45 percent, to the highest level since 1988. U.S. horticultural product exports increased nearly 4 percent to about \$9.9 billion, largely due to gains in wine and nuts. (See Economic Research Service, *Foreign Agricultural Trade of the United States*, January/February/March 1997 for additional details on 1996 agricultural exports. Agricultural trade information is also published in the Economic Research Service's *Outlook for U.S. Agricultural Exports*.)

Net cash income in 1996 also increased from 1995, but not as dramatically as the rise in net farm income. Farmers were able to build stocks from the excellent harvest in 1996. These accumulated stocks are reflected in net farm income for 1996 because the commodities are valued and booked as change in inventories, but the postponement of their sale moves cash income into future years. Since the valuation of inventory is not a market transaction, it is excluded from net cash income accounting. Despite the postponing of substantial crop sales into the next year, the gain of \$15.6 billion in gross cash income was more than double the \$6.8 billion in added cash expenses, resulting in a hefty 17.1-percent rise in 1996 net cash income from 1995.

Corn, Wheat, Soybeans, and Cotton Accounted for Three-Fourths of Increased Crop Receipts

Cash receipts for corn, which leads all other crops in total value marketed and provided 20 percent of the increase in receipts from all commodities, were \$21.6 billion in 1996, surpassing the previous record of \$18.6 billion in 1995 (table 1-4). Yet, the manner in which the two consecutive sales records were attained was very different. The modest, by recent standards, 7.4-billion-bushel corn crop produced in 1995 was 27 percent below 1994's record of 10.1 billion bushels. However, in 1994, market prices were depressed by the large harvests, and farmers retained sizable quantities in inventories for future sale. The resulting draw-down of the large unsold inventories held over from 1994's record crop permitted farmers to expand sales quantities in 1995. The smaller crop and strong demand for corn, especially for export, bolstered corn prices. Benefiting from prices that were rising throughout the year and continued upward into the post-harvest period, producers were able to boost corn revenues even with a smaller harvest (fig. 1-7).

The rebound in corn production in 1996, in combination with prices that were relatively strong during and after the harvest season, enabled corn sales to top that of the prior year. The net result was a \$3-billion increase in sales from 1995. With the increased 1996 cash sales and another \$3.1 billion of new corn production being added to yearend inventories, 1996 was a banner year for corn producers.

Wheat receipts were up \$841 million in 1996, accounting for about 10 percent of the overall increase in crop receipts. Harvested acreage and yields were up slightly, resulting in increased production. Prices were high-

er for much of the year and remained strong throughout the year, boosting sales 9 percent from 1995 (fig. 1-8).

Soybeans were also a high spot for the U.S. agricultural sector in 1996, as acres, yield, and production were all up from the prior year, and prices received by farmers were at exceptionally high levels compared with 1994 and 1995, due to low inventories and short supplies (fig. 1-9). Soybean receipts increased a whopping \$2.4 billion, an amount equivalent to 27 percent of the net increase in crop revenues. A change of this magnitude is particularly noteworthy, simply because corn is usually the only crop for which the annual change can be expected to approach, much less exceed, \$2 billion.

Cotton sales for 1996 were up \$610 million, equivalent to 7 percent of the total increase in the value of crop sales. Cotton acreage was down, but yields were up 30 percent, leading to increased production. Prices did not fall dramatically in the face of the rebound in production, the result being a 9-percent rise in cotton sales (fig. 1-10). Given that acres planted were down almost 14 percent, producers experienced a considerable improvement in their returns.

Vegetable Receipts Declined in 1996

With the notable exceptions of potatoes, dry beans, cucumbers, and chili peppers, cash receipts from the sale of vegetables were generally down in 1996. Lettuce suffered the largest decline in value, \$563 million or 28 percent, compared with 1995. In 1995, cash receipts from lettuce had soared to 56 percent above those of 1994 as prices spiked to exceptional levels due to short supplies caused by adverse weather. Unusual spring floods in the Salinas Valley of California in 1995 lowered lettuce production, and market prices approached \$50 per hundredweight cut for several months. With the pervasiveness of salad bars in restaurants and the introduction of packaged pre-cut lettuce in grocery stores, strong demand for lettuce continued despite rising prices. In 1996, the lettuce harvest rebounded and prices retreated. Although lettuce growers brought only about 6 percent more product to the market than in 1995, these additional market offerings were enough to cause head lettuce prices to drop almost 37 percent (nearly back to their 1994 level). California and Arizona accounted for 97 percent of 1996 lettuce receipts.

More than 47 percent of U.S. cash receipts from vegetables come from California and Florida. Cash

receipts from vegetables represent about 32 percent of California's cash receipts from all crops and 26 percent of Florida's. Cash receipts from potatoes enable Idaho and Washington to follow Florida in importance as vegetable-producing States. Potatoes were Idaho's leading commodity in cash receipts, generating more than 21 percent of the State's total cash receipts from all commodities.

Fruits and Nuts Contributed to Expanded Farm Sector Receipts

U.S. fruit and nut receipts in 1996 rose 6 percent from 1995, with a 7-percent increase in noncitrus fruit receipts and a less-than-1-percent increase in citrus receipts. In 1996, grapes, apples, oranges, and almonds showed strong domestic and international demand in the fresh and processed markets.

Grapes, the United States' leading fruit and nut commodity in value of cash receipts, are experiencing a remarkable boost in export demand, especially for wine varieties. The U.S. wine industry has become increasingly important to U.S. agriculture. Nearly 55 percent of the 1996 grape crop was used for wine. In 1996, grapes ranked 15th according to each commodity's contribution to U.S. agricultural cash receipts, ahead of apples and oranges, but also ahead of such crops as rice and barley (table 1-4). Total U.S. grape receipts were up 14 percent, with wine receipts reflecting a 24-percent increase in 1996, raisin varieties a 10-percent increase, and fresh table grapes a 5-percent increase from 1995. Receipts were up, reflecting higher grower prices resulting from lower utilized production and increased consumer demand. Prices to growers increased 17 percent for fresh use and 16 percent for processing uses. U.S. grapes are also important to the world's supply. The U.S. agricultural sector contributes 10 percent of the world's grape output, the third largest after Italy and France.

Receipts for the United States' second most important fruit commodity, apples, increased 17 percent to \$1.8 billion in 1996, the highest in the past 5 years. A short supply on the East Coast and strong exports to East Asia helped raise grower prices. Record fresh use of apples has been noted, as well, due to a large crop and excellent quality. A smaller crop for fresh market apple utilization on the East Coast, due to weather and pollination problems, lowered production in some key States.

U.S. orange receipts rose 5 percent in 1996 to \$1.8 billion, setting a record for the latest 5-year period. Quality problems with navels and a strong domestic demand for Valencias lowered the export supply. Domestic demand for fresh-market Valencias was especially high, increasing Valencia receipts 25 percent.

Almond receipts climbed to over \$1 billion in 1996. Almonds, ranking 23rd among the U.S. leading commodity receipts, are showing growth in domestic and international markets. The United States is the world's largest producer and exporter of almonds.

Cattle Receipts Down Again in 1996

Cattle and calves remained the top-ranked commodity in generation of cash receipts (table 1-3) for 1996, comprising 15 percent of all commodities, even though their value of sales fell \$2.9 billion, or 8.4 percent. Following trend, the sales value of cattle and calves has declined by \$8.2 billion, or 21 percent, since 1993 due to lower prices (fig. 1-11). Historically, cattle production and the related herd size follows a multiyear cycle and indications are that cattle are in the downward phase of that cycle.

Increases in poultry, pork, and dairy product sales prevented livestock receipts from falling for the third consecutive year in 1996. Poultry sales have been on the upward trend for the last decade and experienced an unusually large jump in 1996. Long-term per capita consumption trends indicate increased consumer demand for poultry meat. Increasing diet awareness among consumers may be a factor contributing to increased poultry consumption.

While the adoption of large-scale production and marketing practices similar to those employed in broiler production over the last several decades are thought to be lowering production costs for hogs, increased prices throughout 1996 appeared to be the key factor in increasing the value of pork sales in 1996 (fig. 1-12) and in increasing producer returns over 1995 (see Part II: Costs of Production—Major Field Crops, Livestock, and Dairy).

Total Expenses for Purchased Inputs and Services Rose 3 Percent in 1996

Total expenses for purchased inputs, such as feed and fertilizer, and services, such as repairs and custom work—called “**intermediate consumption outlays**” in

table 1-1—were estimated at \$112.4 billion in 1996, up \$3.4 billion (3.1 percent) from 1995. This year's increase was the smallest in the last 4 years. Feed expenses rose \$1.4 billion, or equivalent to 42 percent of the total increase, leading all other input and service expense items, which also expanded in 1996. Increases in items directly related to crop production—fertilizer and lime, pesticides, and seeds—followed in order as the major contributors to expanding expenses. Since the early 1980's, the ratio of "intermediate consumption outlays" to the agricultural sector's final output has remained close to 50 percent. Farm production has become more dependent upon purchased inputs and services during the last decade and a half than during 1960-79 and 1950-59, when "intermediate consumption outlays" to the agricultural sector's final output averaged 45 percent and 38 percent, respectively.

Feed Expenses Rise Again in 1996

Estimated expenditures for feed were \$25.2 billion in 1996, up \$1.4 billion (5.9 percent) from a revised estimate of \$23.8 billion in 1995. Feed costs in 1995 were \$1.2 billion (5.3 percent) more than in 1994. This makes 1996 the fifth straight year that feed expenses have risen significantly, and the fourth straight year that their rise has been the largest increase among production expenses. This pattern is likely due to shifts in the structure and location of animal production, which have increased the percentage of purchased feed to all feed. A larger proportion of animals is being raised on large, specialized operations that buy most of their feed. In addition, dairy and hog production have expanded in the Southwest and Mountain areas where raising feedstuffs other than hay is uneconomical.

In each of the last 2 years, a combination of large animal stocks and increased reliance on purchased feed has been the major reason for increased outlays for livestock feed. Relatively low feed prices during the last quarter of 1994 and the first half of 1995 encouraged many livestock, dairy, and poultry producers to expand already relatively high inventory and production levels. This expansion made them vulnerable to record-high grain and soybean prices in the last quarter of 1995 and most of 1996, when USDA's feed price index rose nearly 24 percent.

Although beef producers accelerated herd reduction during the current cattle cycle's liquidation phase that began in late 1995, and hog producers continued a reduction in numbers that also began in 1995, ERS' estimate of grains and processed feed consumed was

down only 4.2 percent for calendar year 1996. The large animal numbers, already in place when feed price increases hit, forced livestock producers to continue to expend large amounts for purchased feed, despite the direction toward reducing cattle and hog numbers. Furthermore, unfavorable weather conditions in early 1996 reduced forage supplies in the Southern Plains, forcing supplemental feeding of hay. Heavier demand for forage and hay and reduced hay production in 1996 drove supplies to extremely low levels in the second half of 1996, bidding up the price of existing stocks.

Livestock and Poultry Purchases Fell with Lower Feeder Cattle Prices

Total livestock and poultry purchases fell \$1.2 billion (9.6 percent) in 1996 to \$11.1 billion. The value of interstate sales of cattle and calves,² which constitute 75 percent of all livestock and poultry purchases, fell \$1.4 billion (14.4 percent). This is the third straight year that interstate sales of cattle and calves have fallen more than \$1 billion. Expenditures for cattle and calves in 1996 were down \$3.9 billion (32 percent) from their previous peak in 1993. As in 1994, both total liveweight and average value per cwt were down in 1996. In 1995, total liveweight rose 5 percent, but the average value fell 14 percent. In 1996, the average value fell another 9.4 percent in response to record high prices for grain and continuing low beef prices (consistent with increased beef production due to unusually high slaughter rates).

The value of interstate sales of breeding hogs and feeder pigs increased 37 percent in response to a 17-percent increase in liveweight and an 18-percent jump in the average price. Total chick and poult purchases rose 3 percent as the poultry sector continued to expand.

Crop Production Expenses Rose with Larger Acreage

Increases in crop acreage, particularly the 11.6-percent expansion in corn acreage, was the dominant factor in increased crop input expenses in 1996. **Seed expenses** were \$6.1 billion, up 11.9 percent from 1995. USDA's seed prices paid index (primarily hybrid corn) rose 5 percent. The remainder of the increase in seed costs was attributable to increased acreage.

²Interfarm sales of cattle and calves within the same State are counted as neither receipts nor expenses. In effect, each State is treated as a big farm and the transactions would offset one another.

Estimated **fertilizer and soil conditioner** expenditures were \$10.9 billion in 1996, up 9 percent from 1995. This was the third consecutive year that the increase in fertilizer expenses exceeded 9 percent. Significant price increases in 1994 and 1995 raised the fertilizer prices paid index (aggregate of all fertilizer) 25 percent and accounted for much of the increase in fertilizer expenses. The price index rose only 3.3 percent in 1996, so the principal cause of the 1996 increase was acreage increases, particularly for corn acreage. At 1995 application rates (1996 rates are not available), the increase in fertilizer use on corn would account for more than 60 percent of the increase in quantities applied. Fertilizer expenses have now risen each year since 1992.

Expenditures for **pesticides** were estimated at \$8.5 billion, 10.3 percent higher than 1995's \$7.7 billion. This was the largest increase since the 17.8-percent jump in 1991. The pesticide prices paid index rose 3.5 percent. Expanded acreage accounted for the rest. Herbicides constitute between 65 and 70 percent of pesticides applied and are the principal pesticides used on corn. The combination of expanded acreage and the rise in USDA's herbicide subcomponent prices paid index would have indicated a 10.5-percent increase in herbicide expenditures. Pesticide expenses have been climbing steadily since 1988.

The estimate of expenditures for **petroleum fuel and oils** was \$5.7 billion, up 5.3 percent from the revised 1995 estimate of \$5.4 billion. Gasoline and diesel fuel prices rose sharply beginning in April due to shortages that occurred after particularly harsh winter weather.

Contract labor expenses were \$2.1 billion in 1996, up 8.1 percent, approximately the same increase as in 1995. Wage rates for agricultural service workers in California, which employs more than 30 percent of such workers, rose 2.5 percent. Contract labor is treated differently from hired labor because employment is through an intermediary that makes the arrangements and handles the administrative functions, which qualifies the activity as a separate business—providing services to the employing business. Under the Department of Commerce's National Income Accounts, contract labor is classified as being part of the service sector as distinct from the agricultural sector.

Other intermediate product expenses presented a mixed picture. **Repair and maintenance** of farm busi-

ness assets increased 8.9 percent, led by an 8-percent rise in motor vehicle and machinery repair and maintenance. Machine hire and custom work expenses, based on survey results, were estimated at \$4.7 billion, down 2.1 percent from 1995. Both machinery and equipment leasing and crop-related custom work outlays were lower.

Marketing, storage, and transportation expenses fell 5 percent to \$6.8 billion. Transportation rates for agricultural products were down. Rail and truck rates were up slightly, but barge rates for farm products on the Mississippi River fell 25 percent from abnormally high 1995 rates. The volume of grain and fresh fruit and vegetable shipments was down around 12 percent. The Bureau of Labor Statistics index of farm product warehousing and storage costs fell 1.5 percent and the volume of commodities stored was less, given the smaller 1995 harvest, which would be reflected in the 1996 expenses. The price index for packaging and containers in the general economy was almost 4 percent lower, so the cost to the agricultural sector was probably less as well.

Miscellaneous expenses totaled \$17.6 billion, down 1.4 percent from a revised 1995 estimate of \$17.8 billion. The only significant increases were in estimated outlays for custom feeding (12.1 percent) and general management expenses (1.5 percent), where a 9.6-percent rise in gross insurance expenses offset an 8.5-percent decrease in other management expenses. Estimated expenditures for livestock services and supplies, tools and shop equipment purchases, and irrigation water were all down.

Expenditures To Acquire Services of Factors of Production Rose 9 Percent in 1997

Employee compensation for hired labor was \$15.2 billion in 1996, \$872 million higher than in 1995. The 6.1-percent increase was similar to the 6.2-percent increase in 1995. A large jump in perquisites (noncash benefits) was reflected in the 1995 increase in total labor expenses. USDA's wages index rose 3.6 percent as the average hourly wage earned by all types of hired workers went from \$6.54 to \$6.78. The 1996 increase in the wages index was the largest since 1992, and there are signs that wage rates are increasing faster. October 1996 wage rates were 5.9 percent above October 1995, and increases in the first three quarters of 1997 over the same quarters in 1996 were all greater than 4 percent.

Net rent to nonoperator landlords in 1996 was \$14.3 billion, up 19.3 percent from 1995. An important part of the increase was due to a \$2.7-billion (33 percent) increase in share rents corresponding with the sector's higher value of production. About \$1.9 billion of the increase was in corn for grain. Total landlord gross income, excluding forest products to nonoperators, was \$20.6 billion, up 16 percent. Cash rent was \$7.7 billion, up 3.3 percent, as cash rent rates and acres rented both rose. Direct government payments received by landlords were \$1.3 billion, the same as in 1995. Expenses paid by all landlords, including capital consumption, were \$7.2 billion, up 6 percent. Crop inputs financed by landlords rose 26 percent to \$1.7 billion. Property taxes paid by landlords were \$2.4 billion, up 3 percent from 1995. Nonoperator landlords netted \$12.1 billion, up 24 percent from 1995. Forest product receipts credited to other nonoperator landlords added another \$2.2 billion.

Total interest expenses were \$13.2 billion, up 3.9 percent from 1995. Interest costs incurred on nonreal estate debt were \$6.9 billion, up 2.6 percent from 1995. However, nonreal estate interest, excluding interest on Commodity Credit Corporation (CCC) loans, rose 4.6 percent. Repayment of CCC loans returned to normal levels after a particularly heavy retirement of CCC debt in 1995. Operators paid \$109 million in interest on CCC debt in 1996, down from \$232 million in 1995. Interest on real estate debt was \$6.4 billion, up 5.2 percent from 1995.

Interest expenses have risen in each of the last 3 years after a long string of decreases from 1983 to 1993. However, the \$492-million increase in 1996 was about half the dollar increases in 1994 and 1995. The 3.9-percent rate of growth in interest expenses in 1996 was less than half the 8.4-percent rate of increase in the previous 2 years. The smaller increase in interest expenses in 1996 is primarily attributable to a slower rise in interest rates between 1995 and 1996. Nonreal estate interest rates rose less than one-half percent, after increasing around 7 percent in the previous 2 years, and real estate interest rates rose 1.6 percent, resulting in a weighted-average increase of 1.1 percent.

The 1996 rise in average farm business debt was the sixth increase since a small decrease in 1990. In each year during this period, average debt has risen slightly more. Average nonreal estate debt, excluding CCC loans, increased \$2.7 billion (3.9 percent) in 1996.

This was the third straight rise of \$2.7 billion in average nonreal estate debt. Average nonreal estate debt has risen every year since 1989 but at varying rates. From 1994 to 1996, average nonreal estate debt rose \$8.3 billion, after rising \$3 billion between 1989 and 1993. Average real estate debt increased \$2.1 billion (2.5 percent) in 1996. Average real estate debt has also been rising at an increasing rate since 1991.

Property Taxes and Capital Consumption Were Little Changed in 1996

Property taxes paid continued their pattern of slow, steady growth in 1996, increasing 1.6 percent to \$6.8 billion. Real estate tax payments were estimated up 4.3 percent to \$6.3 billion. In both 1995 and 1996, personal property taxes have fallen. After three year-to-year declines between 1978 and 1984, property tax payments have risen every year except 1991. Taxes do not respond immediately to changes in the value of real estate and other property because they are set by legislation and reassessments of property values are periodic. However, the steady rise in tax payments corresponds to the overall improvement in real estate values and reflects the capacity of operations to pay assessed taxes in a timely manner.

Total capital consumption, including operator dwellings, was estimated at \$18.9 billion, up \$15 million from 1995. Capital consumption for farm business items only, excluding operator dwellings, was down 0.8 percent at \$16.2 billion. However, operator dwelling capital consumption rose more than 5.4 percent due to rising operator dwelling values. Interestingly, the ratio of capital consumption to net cash income, which measures the portion of net income that should be reserved for capital replacement, has been fairly stable since 1987 at the 1955-70 level, while capital expenditures as a percentage of net cash income have been slowly rising since 1986.

Despite an improved farm economy and lower interest rates, a number of factors have worked to hold new capital expenditures down. Farmers are continuing the trend of maintaining and repairing machinery and equipment and keeping items in service longer. This trend began in the early 1980's when capital expenditures began to fall off dramatically. The percentage of total production expenses for repair and maintenance has been fairly constant since then. More farmers are leasing equipment or contracting with others for custom work. Adoption of conservation tillage has

reduced demand for tillage equipment and lowered the horsepower requirement per acre planted for farms using these technologies.

Capital consumption of service buildings has decreased steadily since 1981, except for a small increase in 1995, as new expenditures fell as low as one-third of their 1979 peak. In 1996, service building construction rose nearly \$600 million to \$2.3 billion, about the same level as in 1982.

Tractor and farm machinery capital consumption in 1996 was estimated at \$10.7 billion, down 1.2 percent from 1995. After reaching a low point in 1987, tractor and farm machinery capital consumption climbed a little more than \$1 billion to 1990. Since then, it has been essentially level, varying less than \$250 million per

year. Almost all of the increase from 1987 to 1990 was due to increases in tractor capital consumption, which has continued upward at a very slow rate. The overall increase in tractor capital consumption is due to both the climb in the average price of tractors, which elevates their replacement value, and increased purchases. Capital consumption of farm machinery and equipment was flat from 1987 to 1995, but fell more than \$200 million in 1996 due to the smallest increase in the prices paid for machinery and equipment since 1987.

Estimated investment in machinery and equipment in 1996 reached its highest point since 1990 at \$5.5 billion, an increase of \$450 million (8.8 percent) from 1995. Machinery and equipment purchases have stayed between \$5.1 billion and \$5.5 billion each year since 1991, after large increases in 1989 and 1990.

Figure 1-1
Net value added, net farm income, and net cash income, 1992-96

Net value added and net farm income rose substantially in 1996

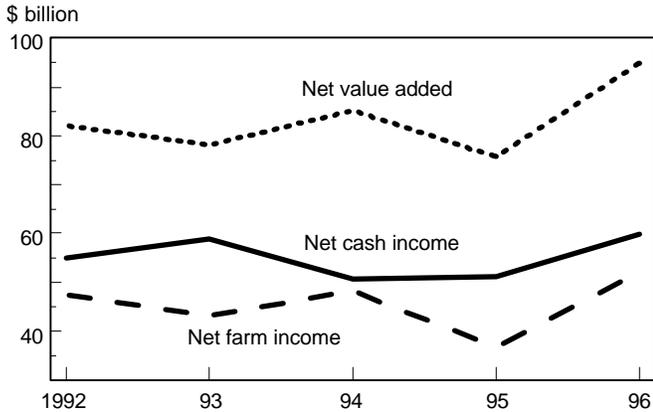


Figure 1-2
Net value added by farm sector and shares to farm operator and nonoperator participants, 1992-96

Farm operator and nonoperator participants all shared in increased value added for 1996

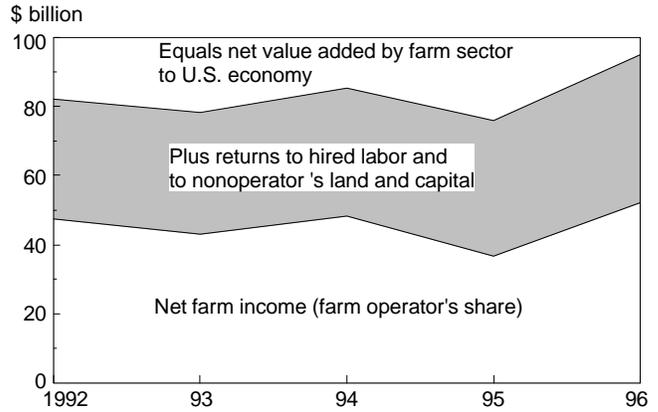


Figure 1-3
Final crop and animal output, 1990-96

Crops were larger share of agricultural sector output between 1994 and 1996

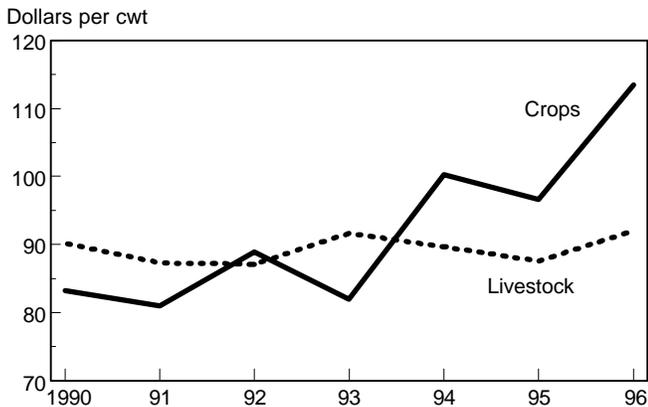


Figure 1-4
Corn, soybeans, and wheat production, 1990-96

Although not records, increased corn and soybean production in 1996 boosted final crop output

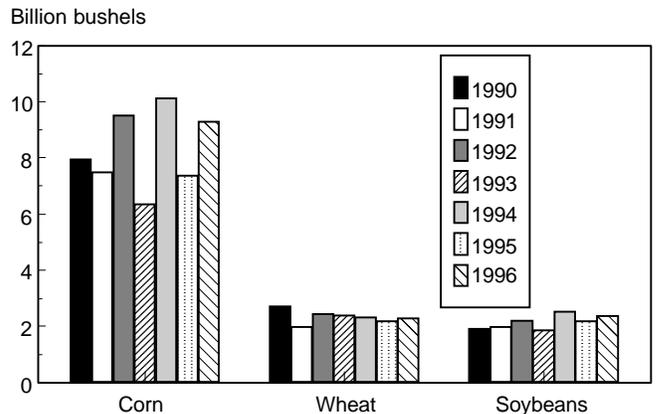


Figure 1-5
Final agricultural sector output and intermediate consumption outlays, 1990-96

Sector output rose rapidly in 1996, while expenses paid to other sectors increased modestly

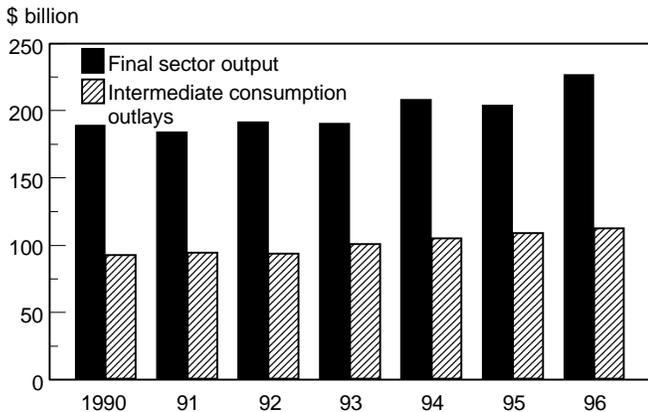


Figure 1-6
Direct government payments and farm sector payments to government, 1980-96

Net government transactions nearly zero in 1995-96 for the first time since 1982

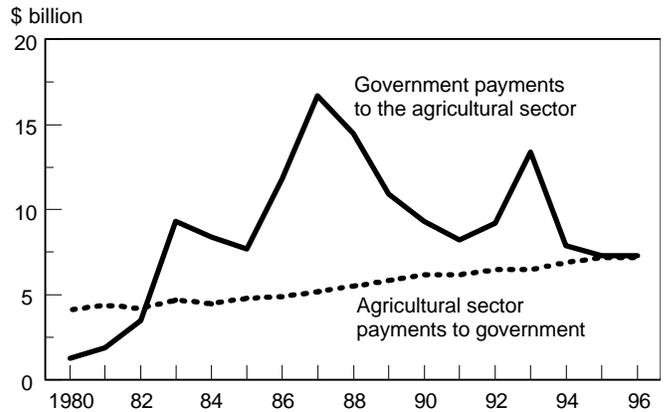


Figure 1-7

Monthly corn prices, 1994-96

Higher corn prices over most of 1996, plus a larger harvest, contributed to rise in cash receipts

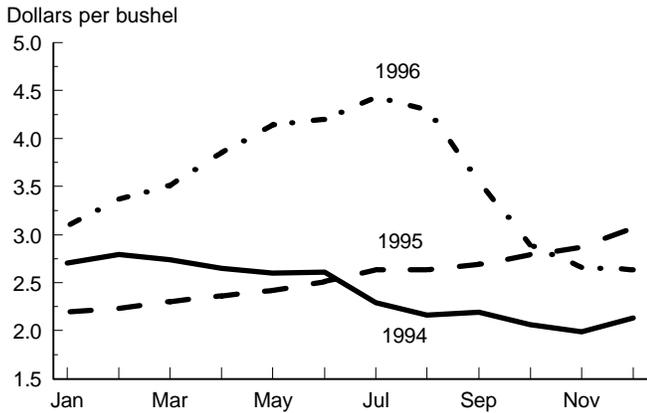


Figure 1-8

Monthly wheat prices, 1994-96

Higher wheat prices for much of 1996, with slightly larger acreage and yields, boosted receipts

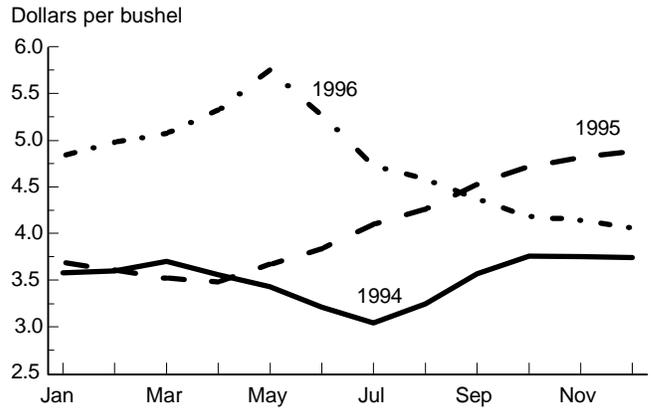


Figure 1-9

Monthly soybean prices, 1994-96

Soybean prices rose in 1996 and remained above 1995 despite large harvest

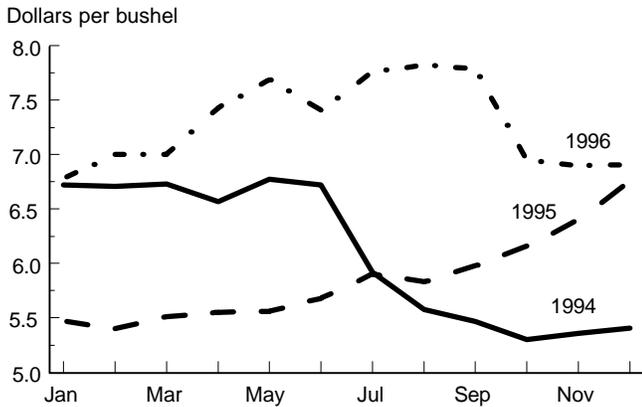


Figure 1-10

Monthly upland cotton prices, 1994-96

Cotton prices in 1996 remained strong even with bigger crop, contributing to rise in receipts

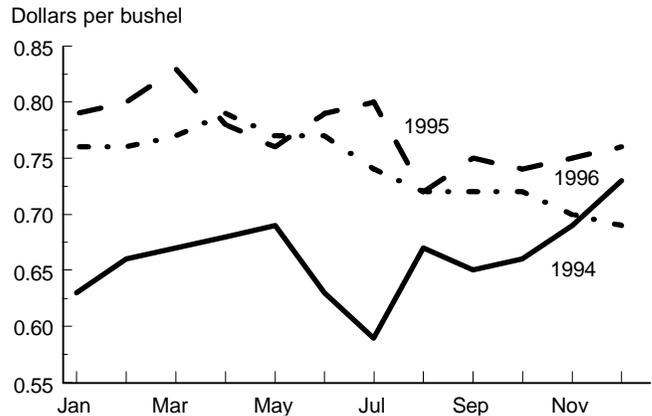


Figure 1-11

Monthly beef prices, 1994-96

Beef prices lower for much of 1996, recovering slightly at year's end

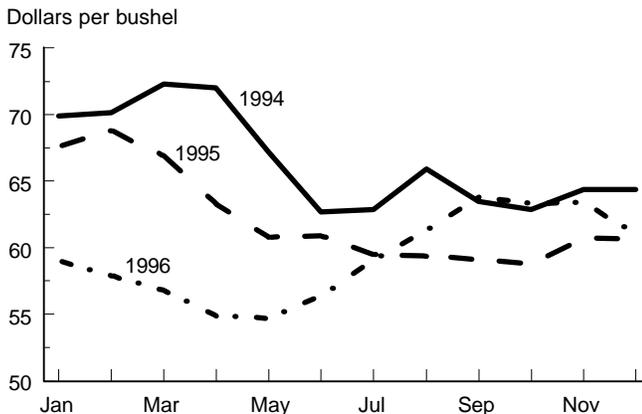


Figure 1-12

Monthly hog prices, 1994-96

Higher 1996 hog prices support value of animal output, offsetting lower cattle sales

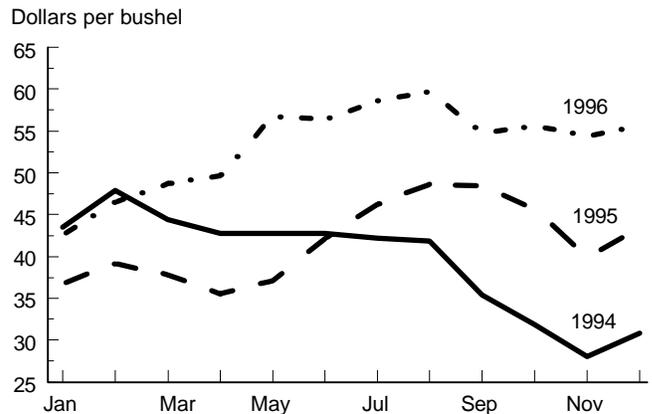


Table 1-1—Value added to the U.S. economy by the agricultural sector via the production of goods and services, 1992-96¹

Item	1992	1993	1994	1995	1996	Change, 1995-96	
						Amount	Percent
	-----Thousand dollars-----					Million dollars	
Final crop output	89,036,487	81,966,590	100,285,791	96,655,403	113,512,267	16,857	17.4
Food grains	8,467,473	8,179,932	9,545,012	10,416,611	11,549,958	1,133	10.9
Feed crops	20,098,600	20,211,046	20,351,200	24,282,381	28,113,655	3,831	15.8
Cotton	5,192,067	5,249,680	6,737,709	6,851,079	7,460,813	610	8.9
Oil crops	13,285,937	13,219,881	14,656,680	15,466,338	17,755,891	2,290	14.8
Tobacco	2,958,005	2,947,785	2,656,352	2,548,399	2,795,990	248	9.7
Fruits and tree nuts	10,178,673	10,284,137	10,334,702	11,073,919	11,713,819	640	5.8
Vegetables	11,851,388	13,434,608	13,902,047	14,890,935	14,348,758	-542	-3.6
All other crops	13,711,536	13,952,700	14,895,257	15,170,425	15,685,894	515	3.4
Home consumption	115,518	68,578	71,815	104,286	91,503	-13	-12.3
Value of inventory adjustment ²	3,177,290	-5,581,757	7,135,017	-4,148,970	3,995,986	8,145	—
Final animal output	87,089,180	91,690,983	89,681,596	87,617,240	91,963,245	4,346	5.0
Meat animals	47,748,299	50,823,492	46,784,612	44,827,596	44,382,498	-445	-1.0
Dairy products	19,736,250	19,242,553	19,935,161	19,893,610	22,833,925	2,940	14.8
Poultry and eggs	15,523,553	17,325,621	18,445,009	19,068,774	22,326,291	3,258	17.1
Miscellaneous livestock	2,628,877	2,778,811	2,995,146	3,213,776	3,371,498	158	4.9
Home consumption	473,969	450,631	409,205	365,100	333,022	-32	-8.8
Value of inventory adjustment ²	978,232	1,069,875	1,112,463	248,384	-1,283,989	-1,532	—
Services and forestry	15,178,596	16,583,167	17,881,849	19,374,713	20,736,536	1,362	7.0
Machine hire and customwork	1,786,650	1,864,790	2,070,810	1,927,653	2,153,757	226	11.7
Forest products sold	2,177,753	2,555,263	2,742,869	2,939,262	2,918,157	-21	-0.7
Other farm income	4,208,708	4,608,891	4,392,376	5,213,331	5,893,636	680	13.0
Gross imputed rental value of farm dwellings	7,005,485	7,554,223	8,675,794	9,294,467	9,770,986	477	5.1
Final agricultural sector output	191,304,263	190,240,740	207,849,236	203,647,356	226,212,048	22,565	11.1
less: Intermediate consumption outlays	93,541,914	100,565,154	104,905,582	109,011,103	112,387,179	3,376	3.1
Farm origin	38,620,492	41,193,584	41,276,993	41,627,934	42,494,681	867	2.1
Feed purchased	20,132,962	21,431,234	22,631,209	23,829,253	25,234,461	1,405	5.9
Livestock and poultry purchased	13,574,171	14,597,315	13,270,118	12,335,346	11,148,086	-1,187	-9.6
Seed purchased	4,913,359	5,165,035	5,375,666	5,463,335	6,112,134	649	11.9
Manufactured inputs	22,710,022	23,146,902	24,398,465	26,175,192	28,393,261	2,218	8.5
Fertilizers and lime	8,330,712	8,397,508	9,179,677	10,032,994	10,934,178	901	9.0
Pesticides	6,470,627	6,723,326	7,225,032	7,726,463	8,525,120	799	10.3
Petroleum fuel and oils	5,298,422	5,349,809	5,312,044	5,447,664	5,736,339	289	5.3
Electricity	2,610,261	2,676,259	2,681,712	2,968,071	3,197,624	230	7.7
Other intermediate expenses	32,211,400	36,224,668	39,230,124	41,207,977	41,499,237	291	0.7
Repair and maintenance of capital items	8,470,675	9,193,138	9,082,921	9,458,412	10,303,718	845	8.9
Machine hire and customwork	3,781,693	4,420,056	4,789,845	4,791,726	4,691,963	-100	-2.1
Marketing, storage, and transportation expenses	4,541,289	5,648,396	6,820,594	7,180,481	6,817,878	-363	-5.0
Contract labor	1,717,422	1,770,956	1,805,440	1,969,054	2,128,835	160	8.1
Miscellaneous expenses	13,700,321	15,192,122	16,731,324	17,808,304	17,556,843	-251	-1.4
plus: Net government transactions	2,691,362	6,862,948	974,270	74,466	29,527	-45	-60.3
+ Direct government payments	9,168,920	13,402,015	7,879,129	7,253,372	7,285,541	32	0.4
- Motor vehicle registration and licensing fees	360,543	362,030	414,967	461,750	428,262	-33	-7.3
- Property taxes	6,117,015	6,177,037	6,489,892	6,717,156	6,827,752	111	1.6
Gross value added	100,453,711	96,538,534	103,917,924	94,710,719	113,854,396	19,144	20.2
less: Capital consumption	18,309,531	18,377,761	18,688,225	18,914,273	18,929,540	15	0.1
Net value added	82,144,180	78,160,773	85,229,699	75,796,446	94,924,856	19,128	25.2
less: Factor payments	34,607,270	35,065,904	36,958,278	39,057,112	42,730,493	3,673	9.4
Employee compensation (total hired labor)	12,282,246	13,235,320	13,503,184	14,346,758	15,219,042	872	6.1
Net rent received by nonoperator landlords	11,187,500	11,009,084	11,719,877	11,983,988	14,293,127	2,309	19.3
Real estate and nonreal estate interest	11,137,524	10,821,500	11,735,217	12,726,365	13,218,324	492	3.9
Net farm income	47,536,909	43,094,869	48,271,420	36,739,334	52,194,363	15,455	42.1

— = Not applicable.

¹Final sector output is the gross value of the commodities and services produced within a year. Net value added is the sector's contribution to the national economy and is the sum of the income from production earned by all factors of production. Net farm income is the farm operator's share of income from the sector's production activities. The concept is consistent with that employed by the Organization for Economic Cooperation and Development.

²A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current year's sales.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 1-2—United States: Farm income indicators, 1992-96

Item	1992	1993	1994	1995	1996	Change, 1995-96	
						Amount	Percent
	-----Thousand dollars-----					Million dollars	
							Percent
Gross farm income	200,473,183	203,642,755	215,728,365	210,900,728	233,497,589	22,597	10.7
Gross cash income	188,722,689	200,081,205	198,324,071	205,037,461	220,590,081	15,553	7.6
Farm marketings	171,380,658	177,650,246	181,238,887	187,703,843	202,338,990	14,635	7.8
Crops	85,743,679	87,479,769	93,078,959	100,700,087	109,424,778	8,725	8.7
Livestock and products	85,636,979	90,170,477	88,159,928	87,003,756	92,914,212	5,910	6.8
Government payments	9,168,920	13,402,015	7,879,129	7,253,372	7,285,541	32	0.4
Farm-related income	8,173,111	9,028,944	9,206,055	10,080,246	10,965,550	885	8.8
Noncash income	7,594,972	8,073,432	9,156,814	9,763,853	10,195,511	432	4.4
Value of home consumption	589,487	519,209	481,020	469,386	424,525	-45	-9.6
Rental value of dwellings	7,005,485	7,554,223	8,675,794	9,294,467	9,770,986	477	5.1
Operator and other dwellings ¹	6,514,859	7,124,874	8,241,493	8,731,846	9,156,132	424	4.9
Hired laborer dwellings	490,626	429,349	434,301	562,621	614,854	52	9.3
Value of inventory adjustment	4,155,522	-4,511,882	8,247,480	-3,900,586	2,711,997	6,613	
Total production expenses	152,936,274	160,547,886	167,456,945	174,161,394	181,303,225	7,142	4.1
Intermediate product expenses	92,185,035	99,156,228	103,515,109	107,503,799	110,686,606	3,183	3.0
Farm origin	38,620,492	41,193,584	41,276,993	41,627,934	42,494,681	867	2.1
Feed purchased	20,132,962	21,431,234	22,631,209	23,829,253	25,234,461	1,405	5.9
Livestock and poultry purchased	13,574,171	14,597,315	13,270,118	12,335,346	11,148,086	-1,187	-9.6
Seed purchased	4,913,359	5,165,035	5,375,666	5,463,335	6,112,134	649	11.9
Manufactured inputs	22,710,022	23,146,902	24,398,465	26,175,192	28,393,261	2,218	8.5
Fertilizer and lime	8,330,712	8,397,508	9,179,677	10,032,994	10,934,178	901	9.0
Pesticides	6,470,627	6,723,326	7,225,032	7,726,463	8,525,120	799	10.3
Fuel and oil	5,298,422	5,349,809	5,312,044	5,447,664	5,736,339	289	5.3
Electricity	2,610,261	2,676,259	2,681,712	2,968,071	3,197,624	230	7.7
Other	30,854,521	34,815,742	37,839,651	39,700,673	39,798,664	98	0.2
Repair and maintenance	8,470,675	9,193,138	9,082,921	9,458,412	10,303,718	845	8.9
Other miscellaneous	22,383,846	25,622,604	28,756,730	30,242,261	29,494,946	-747	-2.5
Interest	11,137,524	11,821,500	11,735,217	12,726,365	13,218,324	492	3.9
Real estate	5,742,274	5,488,616	5,781,610	6,041,533	6,356,574	315	5.2
Nonreal estate	5,395,250	5,332,884	5,953,607	6,684,832	6,861,750	177	2.6
Contract and hired labor expenses	13,999,668	15,006,276	15,308,624	16,315,812	17,347,877	1,032	6.3
Net rent to nonoperator landlords ²	11,187,500	11,009,084	11,719,877	11,983,988	14,293,127	2,309	19.3
Capital consumption	18,309,531	18,377,761	18,688,225	18,914,273	18,929,540	15	0.1
Property taxes	6,117,015	6,177,037	6,489,892	6,717,156	6,827,752	111	1.6
Net farm income ³	47,536,909	43,094,869	48,271,420	36,739,334	52,194,363	15,455	42.1
Gross receipts of farms	193,958,324	196,517,881	207,486,872	202,168,882	224,341,457	22,173	11.0
Farm production expenses	148,871,592	156,490,454	162,980,647	169,348,115	176,064,087	6,716	4.0
Nonfactor payments	114,625,269	121,773,299	126,419,705	130,713,995	133,769,246	3,055	2.3
Intermediate product expenses	91,315,202	98,332,019	102,565,703	106,551,408	109,476,374	2,925	2.7
Capital consumption	16,102,700	16,164,380	16,321,303	16,311,971	16,186,890	-125	-0.8
Property taxes	5,489,945	5,505,944	5,727,259	5,881,562	5,977,147	96	1.6
Contract labor	1,717,422	1,770,956	1,805,440	1,969,054	2,128,835	160	8.1
Factor payments	34,246,322	34,717,155	36,560,941	38,634,120	42,294,842	3,661	9.5
Interest	10,776,576	10,472,751	11,337,880	12,303,373	12,782,673	479	3.9
Hired labor compensation	12,282,246	13,235,320	13,503,184	14,346,758	15,219,042	872	6.1
Net rent to nonoperator landlords	11,187,500	11,009,084	11,719,877	11,983,988	14,293,127	2,309	19.3
Returns to operators ⁴	45,086,732	40,027,427	44,506,225	32,820,767	48,277,370	15,457	47.1
Gross cash income	188,722,689	200,081,205	198,324,071	205,037,461	220,590,081	15,553	7.6
Cash expenses	133,646,463	141,246,959	147,600,019	153,859,697	160,649,172	6,789	4.4
Cash expenses, excluding net rent	121,086,457	128,883,363	134,500,973	140,482,829	144,951,724	4,469	3.2
Intermediate product expenses	91,315,202	98,332,019	102,565,703	106,551,408	109,476,374	2,925	2.7
Interest	10,776,576	10,472,751	11,337,880	12,303,373	12,782,673	479	3.9
Cash labor expenses	13,504,734	14,572,649	14,870,131	15,746,486	16,715,530	969	6.2
Property taxes	5,489,945	5,505,944	5,727,259	5,881,562	5,977,147	96	1.6
Net rent to nonoperator landlords ⁵	12,560,006	12,363,595	13,099,045	13,376,869	15,697,448	2,321	17.3
Net cash income	55,076,226	58,834,246	50,724,052	51,177,764	59,940,909	8,763	17.1

¹Value added to gross income. Value added to net farm income equals difference in net farm income and returns to operators.

²Includes landlord capital consumption.

³Statistics in and above the net farm income line represent the farm sector, defined as including farm operators' dwellings located on farms. Statistics below the net farm income line represent only the farm businesses to the exclusion of the operators' dwellings.

⁴Returns to operators is equivalent to net farm income excluding the income and expenses associated with farm operator's dwellings.

⁵Excludes landlord capital consumption.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 1-3—Leading commodities for cash receipts, 1996

Rank ¹	Items	Value of U.S. receipts	Percent of U.S. total	Cumulative percent ²	Rank in prior year
		<i>Thousand dollars³</i>	<i>----- Percent -----</i>		
	All commodities	202,338,990	100.0	—	—
	Livestock and products	92,914,212	45.9	—	—
	Crops	109,424,778	54.1	—	—
1	Cattle and calves	31,138,046	15.4	15.4	1
2	Dairy products	22,833,925	11.3	26.7	2
3	Corn	21,573,363	10.7	37.3	3
4	Soybean	16,211,387	8.0	45.3	4
5	Broilers	13,906,019	6.9	52.2	5
6	Hogs	12,643,736	6.2	58.5	7
7	Greenhouse and nursery	10,887,058	5.4	63.9	6
8	Wheat	9,955,616	4.9	68.8	8
9	Cotton	7,460,813	3.7	72.5	9
10	Chicken eggs	4,756,571	2.4	74.8	10
11	Hay	3,573,530	1.8	76.6	11
12	Turkeys	3,056,314	1.5	78.1	12
13	Tobacco	2,795,990	1.4	79.5	13
14	Potatoes	2,699,259	1.3	80.8	14
15	Grapes	2,334,020	1.2	82.0	15
16	Apples	1,846,052	0.9	82.9	19
17	Sorghum grain	1,813,188	0.9	83.8	20
18	Oranges	1,798,311	0.9	84.7	17
19	Tomatoes	1,603,232	0.8	85.4	18
20	Rice	1,575,115	0.8	86.2	21
21	Lettuce	1,427,400	0.7	86.9	16
22	Sugar beets	1,017,475	0.5	87.4	22
23	Almonds	1,008,576	0.5	87.9	25
24	Barley	992,388	0.5	88.4	26
25	Peanuts	969,132	0.5	88.9	23
26	Cane for sugar	865,965	0.4	89.3	26
27	Strawberries	770,324	0.4	89.7	27
28	Aquaculture	767,750	0.4	90.1	29
29	Mushrooms	753,052	0.4	90.5	28
30	Onions	701,006	0.3	90.8	30
31	Dry beans	663,875	0.3	91.1	32
32	Corn, sweet	636,023	0.3	91.4	31
33	Horses/mules	628,000	0.3	91.8	33
34	Sheep and lambs	600,716	0.3	92.1	34
35	Christmas trees	474,435	0.2	92.3	NA
	Government payments ⁴	7,285,541	—	—	—

— = Not applicable.

NA = Not available.

¹Rankings for States and commodities available on Internet at www.econ.ag.gov/briefing/fbe/fi/fi.htm

²The cumulative percentage is the sum of the percentage of U.S. total for each commodity and all preceding commodities.

³Numbers may not add due to rounding.

⁴Government payments made directly to farmers in cash or payment-in-kind.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 1-4—Farm sector gross capital expenditures, 1985-96¹

Year	Buildings and land ²				Motor vehicles ³				Total capital expenditures			
	Operator farm dwellings ⁴	Service structures and land improvements			Total	Tractors	Trucks	Auto-mobiles	Total	Machinery and equipment ⁷	Including operator dwellings	Excluding operator dwellings
		Total	Service structures ⁵	Land improvements ⁶								
<i>Million dollars</i>												
1985	938	2,256	1,314	942	3,193	1,937	1,537	225	3,699	3,232	10,124	9,186
1986	712	2,139	1,459	680	2,852	1,513	1,462	252	3,227	3,094	9,173	8,460
1987	931	2,605	1,734	870	3,536	2,104	1,855	316	4,275	4,297	12,108	11,177
1988	1,262	2,388	1,357	1,031	3,650	2,540	2,076	296	4,912	4,222	12,783	11,521
1989	1,235	2,519	1,575	944	3,754	2,903	2,350	230	5,484	5,087	14,326	13,090
1990	2,029	2,784	1,662	1,122	4,813	3,119	2,373	259	5,750	5,589	16,152	14,123
1991	1,216	2,723	1,648	1,075	3,939	2,593	2,111	289	4,993	5,410	14,343	13,126
1992	1,417	2,391	1,388	1,003	3,808	2,826	1,945	355	5,126	5,132	14,066	12,650
1993	1,508	3,191	1,661	1,531	4,699	2,689	2,221	279	5,189	5,488	15,376	13,868
1994	1,645	3,246	1,852	1,394	4,891	2,893	2,301	259	5,453	5,182	15,526	13,881
1995	1,312	3,014	1,717	1,298	4,326	2,911	2,600	200	5,711	5,051	15,088	13,776
1996	1,689	3,804	2,293	1,511	5,493	2,974	2,848	221	6,043	5,495	17,031	15,342

¹Capital expenditures are based on the Farm Costs and Returns Survey (FCRS) for 1982 and later years. Since 1991, FCRS estimates have incorporated nonresponse and undercoverage adjustments that ensure representation of the entire farm sector. Estimates for 1988-90 are based on interpolations of prior estimates between the final 1987 and 1991 estimates. FCRS data for 1997 were adjusted to represent the USDA number of farms in sales classes under \$100,000. FCRS data used in estimates prior to 1987 Farm Production Expenditures summaries.

²Includes new construction, additions, and major improvements.

³Share of capital items used in the farm business only.

⁴Operator dwellings located on farm real estate only.

⁵Includes service buildings, other structures, and dwellings not occupied by farm operators.

⁶Includes fences, windmills, wells, irrigation equipment, dams and ponds, terraces, drainage ditches, tile lines, other soil conservation facilities.

⁷Excludes irrigation equipment, which is included in land improvements, and minor types of equipment charged to miscellaneous expenses.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 1-5—Farm sector capital replacement costs, 1985-96¹

Year	Buildings			Motor vehicles ²				Other machinery and equipment ⁵	Total capital replacement	
	Operator farm dwellings ³	Service structures ⁴	Total	Tractors	Trucks	Auto-mobiles	Total		Including operator dwellings	Excluding operator dwellings
<i>Million dollars</i>										
1985	1,299	3,095	4,394	2,982	2,402	795	6,179	8,191	18,765	17,465
1986	1,277	2,954	4,231	2,830	2,121	657	5,609	7,425	17,265	15,988
1987	1,484	2,953	4,436	2,477	2,106	573	5,157	7,102	16,695	15,211
1988	1,664	2,861	4,525	2,722	2,153	530	5,405	7,077	17,007	15,343
1989	1,703	2,823	4,525	3,180	2,171	467	5,817	7,046	17,389	15,686
1990	1,606	2,747	4,353	3,553	2,160	396	6,109	7,055	17,517	15,911
1991	1,601	2,689	4,290	3,629	2,161	351	6,142	7,139	17,571	15,970
1992	1,658	2,621	4,279	3,521	2,163	349	6,033	7,084	17,396	15,738
1993	1,814	2,583	4,397	3,535	2,234	350	6,119	7,107	17,623	15,809
1994	2,096	2,551	4,646	3,577	2,343	339	6,259	7,159	18,064	15,968
1995	2,304	2,552	4,856	3,689	2,230	290	6,209	7,148	18,213	15,909
1996	2,428	2,499	4,927	3,762	2,282	267	6,311	6,946	18,184	15,756

¹Estimates are based on current replacement cost, not acquisition cost.

²Share of item used in the farm business only.

³Operator dwellings located on farms only. New methods and data are used to compute operator dwelling capital replacement beginning with 1984. The revised replacement rate is lower than the previous rate. Estimates before 1984 are not compatible with later estimates.

⁴Includes service buildings, other structures, and dwellings not occupied by farm operators. Capital replacement is not calculated for land improvements.

⁵Excludes irrigation equipment, which is included in land improvements, and minor types of equipment charged to miscellaneous expenses.

Source: Economic Research Service, U.S. Department of Agriculture.

Net Farm Income Rebounds in Most States in 1996

Roger Strickland and Larry Traub

Many of the 50 States experienced a recovery in net farm income in 1996 from the substantial declines of the prior year. In 1995, net farm income was down significantly in most States, particularly in the Corn Belt, Northern Plains, and the Southern Plains regions. A decrease in the value of crop output, compared with 1994's record harvest, accounted for most of the lower income in the Corn Belt and Northern Plains, while higher production expenses appear to be more responsible for the income change in the Southern Plains. In 1996, **net value added from production** in the agricultural sector rose \$2.1 billion in Iowa, the most of any State. This was an increase of 45 percent, but seven additional States had percentage increases of at least that much: Missouri (89 percent), Illinois (61 percent), South Dakota (60 percent), North Dakota (59 percent), Minnesota (59 percent), Indiana (46 percent), and Nebraska (45 percent). Nationally, cash receipts from sales of corn, soybeans, hogs, and milk were each up by more than \$2 billion in 1996 and were among the leading commodities in the respective commodity mixes of these eight States, with the exception of North Dakota. Located in the country's bread basket and geographically contiguous, the eight States accounted for 55 percent of the \$15.6-billion increase in U.S. net farm income. Producers in North and South Dakota also benefited from increased wheat sales.

California continued to lead the Nation in cash receipts and farm income by substantial amounts, reflecting both its substantial land mass and its commodity mix, which is heavily weighted towards those with high value of production per acre. California's net farm income in 1996 rebounded to \$5.6 billion, up from \$4.6 billion in 1995. Iowa, with \$4 billion, representing a gain of \$1.8 billion, surged past North Carolina, to earn the second largest net farm income in 1996. Two additional States earned more than \$3 billion in net farm income in 1996—North Carolina (\$3.4 billion) and Nebraska (\$3.1 billion), and five more States exceeded \$2 billion—Texas, Illinois, Minnesota, Georgia, and Arkansas. In contrast, in 1995, only four States topped the \$2-billion mark—California (\$4.6 billion), North Carolina (\$2.7 billion), Texas (\$2.5 billion), and Iowa (\$2.2 billion).

All But One of Top 12 States in Net Farm Income Earned More in 1996 than in 1995

California, Iowa, North Carolina, and Nebraska each earned over \$3 billion, while Texas, Illinois, Minnesota, Georgia, and Arkansas had net farm incomes over \$2 billion. Florida, Kansas, and Washington round out the top dozen States ranked by net farm income (table 2-4). These dozen States accounted for more than 60 percent of the Nation's net farm income in 1996 (fig. 2-3). Of these same States, only Florida failed to achieve a higher net farm income in 1996 than in the previous year. Collectively, net farm income for the top 12 States in 1996 was \$9.6 billion above 1995, equivalent to 61 percent of the national year-over-year increase. California, North Carolina, Texas, Iowa, Georgia, Florida, Nebraska, Arkansas, Minnesota, and Kansas were all among the top dozen in net farm income in 1995 as well. Illinois and Washington entered the top 12 grouping in 1996, displacing Kentucky and Ohio, which had been 9th and 12th in the 1995 ranking.

Missouri, Illinois, Indiana, and Minnesota more than doubled their net farm income in 1996 from the previ-

Rankings by cash receipts of leading commodities for States and leading States for commodities adds useful information to the cash receipts statistics reported in the appendix. Rankings of leading commodities for States convey significant information about the production mix within States, and indirectly about the factors of production that constitute the basis for the State's comparative advantage. Correspondingly, rankings of leading States for commodities or commodity groups summarize a plethora of statistical facts to show the importance of the commodity to individual States and geographic regions, aiding in the analysis of the likelihood and extent of impacts from climatic, policy, and price changes in the level of receipts. An extensive set of ranking tables derived from the cash receipts statistics presented in the appendix are made available on the ERS website (www.econ.ag.gov/briefing/fbe/fi/fi.htm) and from the ERS AutoFax (dial 202-694-5700 from the touch-tone phone on your fax machine).

ous year. The value of final crop output soared in 1996, reflecting rebounds in both acreage and yields for major crops, both of which had declined in 1995 following 1994's record harvest. Crop prices were much higher in the first half of 1996 relative to the same period a year earlier and tended to remain stable in the latter half of the year, despite the rebound in production. Corn and soybeans led the recovery in crop production. The producers of these two crops and hogs were among the principal beneficiaries of favorable prices. Corn and soybeans are the two leading commodities in all four of the aforementioned States, hogs are the third leading commodity in all but Minnesota, where they rank fourth behind dairy, which likewise benefited from favorable prices in 1996.

Net farm income statistics do not fully convey the magnitude of the economic activity represented by production agriculture. The amount of **factor payments** and **intermediate consumptions outlays** incurred in generating net farm income are alternative indicators of the level and impact of the sector's contribution to a State's economy. Payments to the owners of factors of production, in turn, represent earnings to the nonoperators who supply land, capital, and labor used in the farm production process. Intermediate consumption outlays represent purchases of inputs from businesses in other sectors of the economy, which in turn, have a multiplier effect through the generation of profits, jobs, additional purchases, etc. Factor payments were up 9.4 percent in 1996, propelled by a 19.3-percent rise in net rental payments to nonoperator landlords for use of their land.

The higher rental payments reflect the 17-percent jump in value of crop production, particularly via the share rental arrangements, where landlords receive a portion of the harvest. In 1996, landlords benefited from the rise in production and the strength in prices available to farmers. Intermediate consumption outlays rose a solid 3.1 percent as inputs associated with crop production were higher across the board. The decline in the purchases of livestock was the major depressant on expenditures for inputs, reflecting the pressures on profitability in beef production.

In 1996, factor payments totaled \$42.7 billion. States with at least \$2 billion in factor payments were California (\$5.7 billion), Iowa (\$2.8 billion), Illinois (\$2.7 billion), and Texas (\$2.4 billion). The agricultural sectors of the four States are quite different, which is reflected in the distribution of factor payments. In

California, expenditures for hired labor comprised 67 percent of total factor payments compared with 11 percent for net rent. In contrast, net rental payments exceeded payments to labor by at least a factor of 5 in both Iowa (57 percent to 9 percent) and Illinois (62 percent to 11 percent). In Texas, the three factors of production (rent, labor, and capital) shared almost evenly in the payments. California's production mix is highly diversified and dominated by labor intensive vegetables and specialty crops. The production mix in Iowa and Illinois is predominantly corn, soybeans, and hogs, which are conducive to mechanization, allowing capital to be substituted for labor. In Texas, the combination of cattle and cotton necessitates a more balanced employment of production factors.

In 1996, intermediate consumption outlays totaled \$112.4 billion. States with at least \$5 billion in such purchased inputs were California (\$12 billion), Texas (\$8.3 billion), Iowa (\$6 billion), Kansas (\$5.4 billion), and Nebraska (\$5.3 billion). Nationally, intermediate consumption outlays were up only 3 percent in 1996 and this was generally the case across the States also. Farmers were geared up for full production in both 1995 and 1996, and the vagaries of the weather and market prices, occurring beyond the stage when farmers have committed to expenditure outlays, accounted for the differences in value added and income in the 2 years (table 2-4).

Net Value Added Higher

Net value added reflects the value of all goods and services produced within the year, whether sold or added to inventory, net of the production-related expenses paid to other sectors of the economy (as defined by the U.S. Department of Commerce). This net value added is affected by changes in output value, changes in production expenses, or both. California, the Nation's leader in net value added, exhibited an increase in net value added of \$1.6 billion. The value of California's total production within the farm sector was up \$1.4 billion to near \$25 billion in 1996, and the expenditures associated with its farm production were down ever so slightly. This same pattern—of increased output with relatively little change in production-related expenses—prevailed among most States that rank in the top dozen in net farm income. Texas, a leading cattle producer, was an exception, as the value of total production remained steady, with lower cattle sales offsetting higher crop sales, and expenses declined, led by livestock purchases, as producers culled their herds.

Cattle and Dairy Leading Commodities in Cash Receipts

Cattle and calves remained the top-ranked commodity in generation of cash receipts (table 2-2) for 1996, even though their sales fell \$2.9 billion (8.4 percent). In fact, sales of cattle and calves have declined \$8.2 billion, or 21 percent, since 1993 due to lower prices. Historically, cattle production and the related herd size follow a multiyear cycle and indications are that cattle are in the downward phase of that cycle. As the largest of the animals produced in significant quantities in the U.S. agricultural sector, cattle have by far the longest gestation period and the longest growth stage in developing into an adult animal for marketing and breeding purposes. Texas led in cattle and calf receipts with \$5.3 billion, down \$1 billion (15 percent) from the prior year. Nebraska (\$4.1 billion) and Kansas (\$4 billion) were the second and third leading producers of cattle.

Dairy products were the number two commodity in cash sales, with California producers topping sales with over \$3.7 billion. Dairy sales rose a whopping \$637 million (21 percent) in 1996 alone, continuing a trend that has raised the State's sales \$1.1 billion (42 percent) in 5 years. This shift is significant both geographically in the replacement of production in the Lakes States and structurally in the production of milk to large operations. The rapid population growth in California and other adjacent States has created an explosion in the demand for dairy products sufficient to enable large dairies capable of achieving economies of scale to be cost competitive regionally. Wisconsin was second in dairy sales, falling considerably behind California in 1996, followed by Iowa.

Corn and soybeans were the third- and fourth-ranked commodities in the Nation, with Iowa and Illinois the undisputed leaders in sales of these commodities. Iowa's corn receipts were highest at \$4.3 billion, followed by Illinois with \$3.5 billion. Iowa also led in soybean sales of \$2.9 billion, followed by Illinois with \$2.8 billion for 1996. Broilers were the fifth-ranked commodity, with Georgia and Arkansas the leading producers, selling over \$2.1 billion each.

California, Texas, and Iowa Leading States in Cash Receipts

The top 10 States in cash receipts for all commodities in 1996 were California, Texas, Iowa, Nebraska, Illinois, Minnesota, Kansas, North Carolina, Florida,

and Wisconsin (table 2-2). The share of total cash receipts derived from crop or livestock sales varied greatly among these 10 top-ranked States. California led the Nation in crop sales with \$17.1 billion, and was the top producing State for 8 of the sector's top 25 commodities: dairy products, greenhouse and nursery products, eggs, hay, grapes, tomatoes, lettuce, and almonds (table 2-2). California vaulted from third to first place in egg sales with a 27-percent rise in a single year. Eggs, like milk and other commodities in which California is a leading producer, are perishable and expensive to transport, because they are either bulky and/or require special handling, such as refrigeration. Three-quarters of California's farm sales were from crops; fruits and nuts equaled 27 percent, vegetables 23 percent, and greenhouse and nursery 10 percent. Florida's pattern of cash receipts is similar, with vegetables, fruits and nuts, and greenhouse and nursery accounting for 69 percent of agricultural sales. By contrast, 60 percent of Texas' cash receipts were from livestock, and two-thirds of that was cattle and calves. Over 8 percent of the Nation's livestock sales value was attributed to Texas. Iowa's cash receipts are mostly opposite those of Texas, as crops comprise 54 percent of the total and livestock 46 percent. Feed grains and oilseeds represented 56 percent of Iowa's sales, while hogs accounted for 23 percent. Iowa leads the Nation in both corn and hog sales.

The top 10 States ranked according to the value of crop sales—California, Iowa, Illinois, Texas, Florida, Minnesota, Nebraska, Washington, Indiana, and North Carolina (table 2-2)—represented 56 percent of the cash receipts earned from crop sales. High-valued fruits and vegetables were the major contributor to crop cash receipts in California, Florida, and Washington. Grains and oilseeds were the key components of cash receipts in Illinois, Iowa, Minnesota, Indiana, Ohio, and Kansas, which are a contiguous set of States located in the Nation's Corn Belt or "bread basket." The commodity mix of these and all other States is determined by comparative advantages. For example, these Corn Belt and "bread basket" States contain some of the Nation's most productive soil and receive adequate rainfall, but are too far north to produce most of the specialty crops, such as tobacco, cotton, and citrus. Texas and North Carolina were more dependent upon some of the specialty crops, particularly cotton, greenhouse/nursery, and tobacco.

Ranked by level of cash receipts earned from livestock, the top 10 States were Texas, California, Iowa,

Nebraska, Kansas, North Carolina, Wisconsin, Minnesota, Arkansas, and Georgia (table 2-2). Collectively, these States represented 53 percent of the Nation's livestock. Texas, Nebraska, and Kansas, ranked 1 through 3 in livestock receipts generated from cattle sales, accounting for 43 percent of total revenue from cattle and calves. Dairy receipts were the largest share for California and Wisconsin, which were number 1 and 2 in milk sales. Dairy production has surged in California and declined in Wisconsin. Large drylot operations, which are common in California and benefit from economies of both specialization and scale, have enabled the State's producers to gain a competitive edge. Hogs were a key component of livestock sales in Iowa, and have rapidly grown into the leading commodity for North Carolina. In 1975, North Carolina was 10th in cash receipts from hogs, accounting for 3 percent of the Nation's sales. By 1996, North Carolina was second in hog sales, representing 14 percent of the market. Broiler sales were most important in Georgia and Arkansas, and the second leading commodity in receipts for North Carolina.

Greenhouse and nursery production is one of the fastest growing segments of U.S. agriculture. In 1975, greenhouse and nursery products were 1.5 percent of farm sales. By 1996, they had reached 5.4 percent of total cash receipts. In 1996, greenhouse and nursery cash receipts ranked first in farm sector sales in six States (Alaska, Connecticut, Massachusetts, New Jersey, Oregon, Rhode Island). In all, greenhouse and nursery ranked as 1 of the top 5 commodities in agricultural sales for 25 States. A common characteristic is that most of these are coastal States, but the causality linking greenhouse/nursery production to the major bodies of water is the higher density of population in these areas. Greenhouse and nursery products tend to be bulky and perishable, making shipment over long distances costly.

Net Cash Income Also Up in Most States

Net cash income rose in 41 of the 50 States, but in most cases, the rise was not as dramatic as the increase in net farm income. Net cash income is a measure of

solvency, in contrast to net farm income, which measures the net value of production. Net cash income is a measure of cash earning generated from the business that could be used to meet debt obligations and pay family living expenses for the year. Farmers are able to adopt strategies in managing their business activities to achieve specific cash-flow objectives, and the choice of strategy will depend on the production income scenario for the year. For example, farmers can adjust inventories to manage their cash income despite variability in production. Current year sales, not output, are the basis of net cash income.

In 1995, farmers had sold off stocks built up from their 1994 bumper crop, benefiting from higher prices associated with a substantial decline in crop production. Thus, farmers were able to maintain or increase cash receipts for major crops in 1995 despite a mediocre production year. With the rebound in crop production in 1996, farmers rebuilt crop inventories by \$4 billion, postponing sales into the next year, a strategy that frequently brings benefits in two forms: from prices that typically rebound from harvest lows in years when production is high and from smoothing their annual incomes to reduce income tax obligations under progressive tax rates.

Net cash income from farming was highest in California (\$6 billion) and exceeded \$2 billion in eight additional States: Iowa (\$4.4 billion), Texas (\$3.8 billion), North Carolina (\$3.4 billion), Minnesota (\$2.9 billion), Nebraska (\$2.8 billion), Georgia (\$2.4 billion), Arkansas (\$2.1 billion), and Illinois (\$2 billion). Net cash income was higher in all nine States, except Illinois, and it was down only because cash income was high in 1995, when farmers sold off huge inventories of corn carried over from the record 1994 crop. Cash income of Texas farmers was up in part from a selloff of its cattle herd, which represented a liquidation of assets rather than earnings from production. This effect of herd liquidation is removed from net farm income by an offsetting entry for the reduction in inventory. But it is net cash income available to pay debts and living expenses and is therefore appropriate for inclusion in a solvency measure.

Figure 2-1

Top 20 States ranked by value of production, 1996

\$ billion

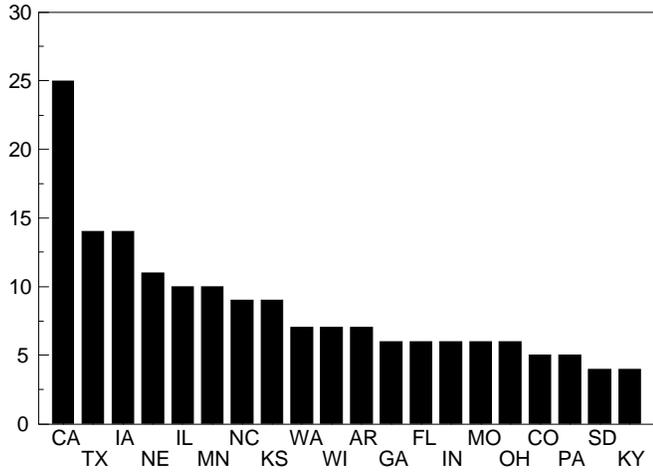


Figure 2-2

Top 20 States ranked by value of production per acre, 1996

Dollars per acre

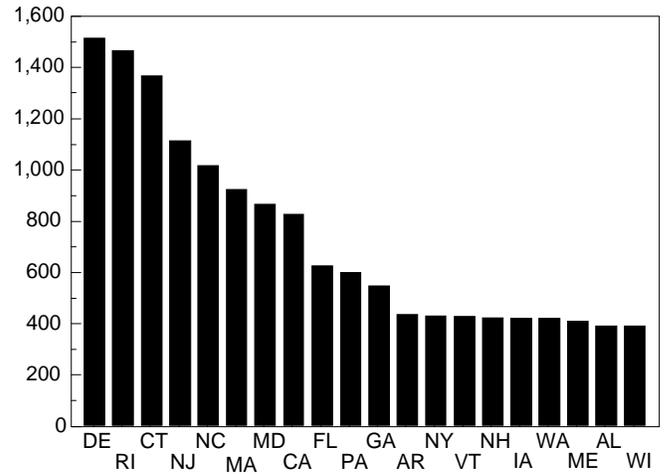


Figure 2-3

Top 20 States ranked by net farm income, 1996

\$ billion

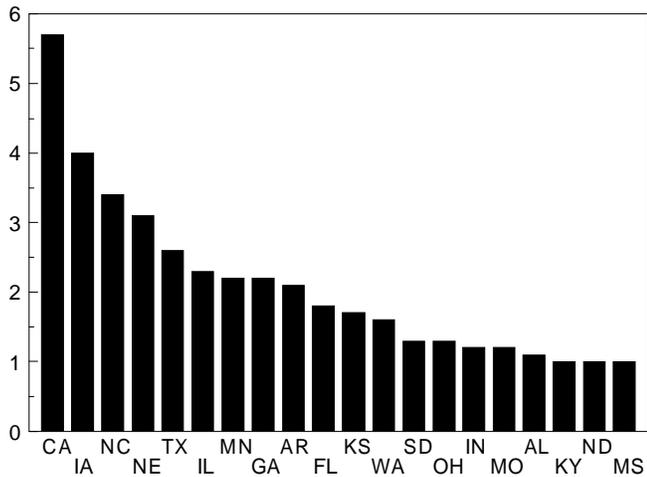


Figure 2-4

Top 20 States ranked by net farm income per acre, 1996

Dollars per acre

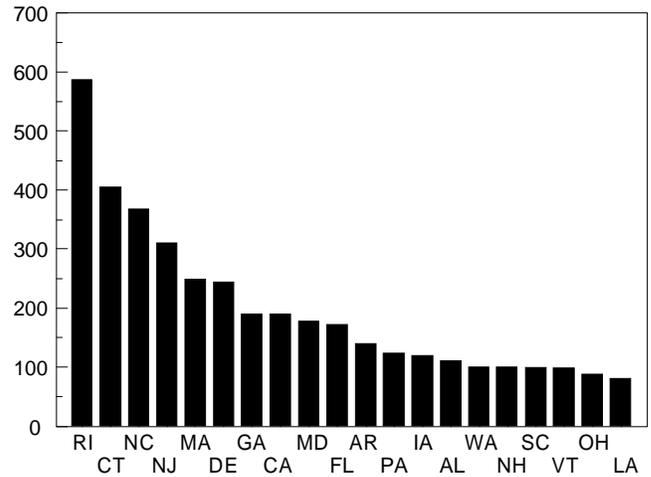


Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹

Item	Alabama					Alaska				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	781,861	687,710	831,256	658,305	869,748	19,729	20,894	21,863	23,908	23,333
Food grains	12,958	9,806	13,393	11,361	17,141	0	0	0	0	0
Feed crops	58,011	50,161	58,770	56,278	70,571	1,903	2,386	2,828	3,421	2,068
Cotton	174,638	164,858	250,681	167,386	260,436	0	0	0	0	0
Oil crops	221,700	191,152	193,680	175,471	172,484	0	0	0	0	0
Tobacco	1,282	1,305	968	1,293	1,371	0	0	0	0	0
Fruits and tree nuts	16,644	26,114	15,860	22,494	16,638	0	0	0	0	0
Vegetables	72,970	79,249	83,315	85,903	73,792	2,573	3,102	2,898	3,556	3,029
All other crops	206,413	205,386	185,117	185,062	198,204	15,223	15,389	16,119	16,905	18,213
Home consumption	2,521	1,514	1,600	2,366	2,076	30	17	18	26	23
Value of inventory adjustment ²	14,724	-41,835	27,872	-49,309	57,035	0	0	0	0	0
Final animal output	1,970,557	2,169,849	2,214,360	2,153,954	2,301,515	6,690	6,763	6,805	6,178	6,629
Meat animals	476,767	429,649	366,901	374,601	358,043	931	825	915	793	1,043
Dairy products	72,500	72,562	72,912	66,920	70,520	2,391	2,318	2,465	2,323	2,608
Poultry and eggs	1,368,509	1,577,222	1,658,173	1,663,476	1,869,708	75	80	73	78	77
Miscellaneous livestock	44,879	49,631	51,564	61,597	64,687	2,639	2,699	2,592	2,626	2,380
Home consumption	3,658	3,109	2,836	2,404	2,330	534	221	165	240	257
Value of inventory adjustment ²	4,244	37,676	61,974	-15,044	-63,773	120	620	595	118	264
Services and forestry	489,038	532,370	608,041	660,886	659,727	4,417	4,438	4,262	4,513	5,017
Machine hire and customwork	19,977	18,817	24,957	31,069	37,068	225	235	261	243	271
Forest products sold	116,000	135,000	180,000	188,000	157,000	20	43	45	58	67
Other farm income	213,796	217,051	206,469	230,788	241,586	1,205	1,333	1,191	1,434	1,724
Gross imputed rental value of farm dwellings	139,265	161,502	196,615	211,029	224,073	2,967	2,827	2,765	2,778	2,955
Final agricultural sector output	3,241,456	3,389,929	3,653,657	3,473,145	3,830,990	30,836	32,095	32,930	34,599	34,979
less: Intermediate consumption outlays	1,651,641	1,780,589	1,836,079	1,933,809	2,104,267	10,957	11,256	11,927	12,571	13,324
Farm origin	786,384	799,107	819,373	836,206	960,622	2,617	2,520	2,714	2,812	3,598
Feed purchased	548,783	581,766	591,382	614,950	742,174	1,586	1,575	1,777	1,761	2,197
Livestock and poultry purchased	184,497	161,628	172,195	161,833	152,259	314	191	152	253	508
Seed purchased	53,104	55,713	55,796	59,423	66,189	717	754	785	798	893
Manufactured inputs	264,779	291,493	278,171	302,483	309,369	2,883	2,867	2,949	3,196	3,368
Fertilizers and lime	112,150	122,880	118,556	119,763	128,575	1,173	1,127	1,201	1,356	1,404
Pesticides	65,450	76,833	75,565	84,015	89,544	231	239	257	275	304
Petroleum fuel and oils	66,855	67,770	62,785	69,277	72,459	1,070	1,081	1,070	1,099	1,158
Electricity	20,324	24,010	21,265	29,428	18,791	409	420	421	466	502
Other intermediate expenses	600,477	689,990	738,535	795,120	834,275	5,457	5,869	6,264	6,563	6,358
Repair and maintenance of capital items	135,102	162,291	161,918	171,932	188,272	2,529	2,627	2,498	2,555	2,773
Machine hire and customwork	44,776	36,912	46,966	49,365	67,269	182	211	229	233	219
Marketing, storage, and transportation expenses	69,713	120,469	129,255	133,235	178,759	682	852	1,050	1,136	991
Contract labor	7,416	7,878	8,933	12,449	16,231	155	160	163	178	193
Miscellaneous expenses	343,470	362,440	391,463	428,139	383,744	1,909	2,019	2,324	2,461	2,182
plus: Net government transactions	86,034	109,425	57,518	20,313	44,340	369	449	(68)	259	(246)
+ Direct government payments	119,132	137,240	89,337	53,432	75,550	1,694	1,789	1,348	1,735	1,258
- Motor vehicle registration and licensing fees	4,244	4,771	7,006	7,649	5,034	104	104	118	131	120
- Property taxes	28,854	23,044	24,813	25,470	26,176	1,221	1,236	1,298	1,345	1,384
Gross value added	1,675,849	1,718,765	1,875,096	1,559,649	1,771,063	20,247	21,289	20,935	22,287	21,410
less: Capital consumption	269,471	281,841	294,776	302,478	302,273	5,430	5,208	5,019	4,991	5,007
Net value added	1,406,378	1,436,924	1,580,320	1,257,171	1,468,790	14,817	16,081	15,916	17,296	16,403
less: Factor payments	318,117	351,669	376,954	392,356	394,675	6,741	6,076	7,546	6,101	6,075
Employee compensation (total hired labor)	105,827	125,364	118,222	124,217	126,539	3,876	3,853	3,853	3,887	3,900
Net rent received by nonoperator landlords	99,557	106,071	130,563	135,917	125,556	882	1,012	986	1,044	966
Real estate and nonreal estate interest	112,733	120,234	128,169	132,222	142,580	1,983	1,211	2,707	1,170	1,209
Net farm income	1,088,261	1,085,255	1,203,366	864,815	1,074,115	8,076	10,005	8,370	11,195	10,328

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Arizona					Arkansas				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	877,397	1,026,939	1,017,544	1,338,718	1,330,857	1,940,603	1,437,703	2,167,739	2,008,810	2,705,306
Food grains	29,730	28,156	45,363	47,686	81,358	662,060	362,091	811,168	683,791	940,080
Feed crops	47,210	74,526	87,959	78,025	110,626	121,377	83,162	99,936	102,733	148,071
Cotton	297,434	286,947	342,444	297,965	341,055	539,187	379,995	557,577	590,473	624,783
Oil crops	6,041	5,952	7,033	4,402	4,146	561,984	572,068	719,423	627,118	763,497
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	146,362	130,963	119,103	113,006	120,309	10,088	11,592	10,031	14,397	10,135
Vegetables	312,966	426,010	361,539	718,880	554,637	24,582	18,756	24,419	26,076	19,820
All other crops	71,998	80,059	86,279	86,801	95,459	28,228	26,939	27,211	23,490	23,777
Home consumption	411	244	257	373	327	2,466	1,481	1,530	2,165	1,899
Value of inventory adjustment ²	-34,755	-5,918	-32,433	-8,420	22,940	-9,369	-18,381	-83,556	-61,433	173,244
Final animal output	892,770	912,657	794,492	805,250	815,704	2,721,368	2,995,503	3,209,090	3,014,104	3,349,230
Meat animals	612,436	624,308	479,480	470,295	427,213	514,997	503,375	523,500	467,136	438,768
Dairy products	236,607	244,970	278,506	284,288	356,990	106,057	101,592	101,748	98,394	107,680
Poultry and eggs	3,758	3,952	3,602	4,104	4,186	2,008,754	2,202,270	2,420,426	2,343,688	2,687,575
Miscellaneous livestock	43,697	45,091	42,755	51,539	50,438	80,211	93,419	99,077	112,350	122,600
Home consumption	4,178	4,097	4,905	5,067	3,552	7,203	7,203	4,823	3,954	3,409
Value of inventory adjustment ²	-7,906	-9,761	-14,756	-10,043	-26,675	3,788	87,644	59,516	-11,418	-10,802
Services and forestry	108,805	120,108	125,767	142,071	167,596	356,428	399,176	422,562	452,107	479,617
Machine hire and customwork	16,314	16,995	18,197	17,703	17,166	29,735	29,735	42,516	23,620	24,932
Forest products sold	8,496	8,900	11,651	7,143	9,072	7,900	9,100	10,700	10,000	10,000
Other farm income	32,665	39,002	33,443	41,256	58,135	204,867	234,624	225,506	271,354	294,957
Gross imputed rental value of farm dwellings	51,330	55,211	62,476	75,969	83,223	113,926	125,717	143,840	147,133	149,728
Final agricultural sector output	1,878,972	2,059,704	1,937,803	2,286,039	2,314,156	5,018,399	4,832,382	5,799,391	5,475,021	6,534,153
less: Intermediate consumption outlays	905,591	996,063	1,053,620	1,121,295	1,131,564	2,935,501	3,199,975	3,409,858	3,233,825	3,579,842
Farm origin	379,399	413,370	385,417	405,283	399,010	1,338,101	1,492,653	1,549,700	1,387,249	1,526,591
Feed purchased	128,319	140,571	169,064	213,163	237,491	950,728	1,097,824	1,145,174	1,025,852	1,135,942
Livestock and poultry purchased	225,254	245,213	183,994	161,177	127,441	293,956	301,719	304,624	273,326	284,613
Seed purchased	25,826	27,586	32,359	30,943	34,078	93,417	93,110	99,902	88,071	106,036
Manufactured inputs	175,101	180,426	217,452	228,721	253,943	608,398	607,122	603,488	638,809	719,493
Fertilizers and lime	46,634	48,153	62,438	66,318	73,092	180,875	183,356	193,143	207,716	259,249
Pesticides	60,820	66,985	78,316	82,362	89,884	224,954	216,313	222,897	210,895	229,926
Petroleum fuel and oils	38,133	37,384	41,498	41,696	46,443	145,584	146,690	139,940	139,284	153,560
Electricity	29,514	27,904	35,200	38,345	44,524	56,985	60,763	47,508	80,914	76,758
Other intermediate expenses	351,091	402,267	450,751	487,291	478,611	989,002	1,100,200	1,256,670	1,207,767	1,333,758
Repair and maintenance of capital items	49,988	50,717	57,211	54,945	61,652	184,845	190,959	175,272	171,331	210,696
Machine hire and customwork	87,505	97,811	100,283	115,351	97,512	165,441	180,373	209,214	165,473	220,712
Marketing, storage, and transportation expenses	30,154	52,919	56,147	64,782	54,752	195,267	251,455	326,517	271,555	304,214
Contract labor	35,965	36,782	33,666	50,171	60,606	18,849	16,211	17,398	28,678	14,258
Miscellaneous expenses	147,479	164,038	203,444	202,042	204,089	424,600	461,202	528,269	570,730	583,878
plus: Net government transactions	46,617	82,657	36,065	-28,863	18,249	348,545	633,400	226,008	304,456	280,516
+ Direct government payments	75,580	113,878	72,125	9,456	57,993	410,026	704,667	302,809	383,199	361,818
- Motor vehicle registration and licensing fees	1,867	2,208	2,892	2,382	2,787	4,803	5,310	3,865	4,521	4,865
- Property taxes	27,096	29,013	33,168	35,937	36,957	56,678	65,957	72,936	74,222	76,437
Gross value added	1,019,998	1,146,297	920,248	1,135,881	1,200,842	2,431,443	2,265,807	2,615,541	2,545,652	3,234,827
less: Capital consumption	83,163	82,904	85,094	89,056	91,735	324,626	330,525	334,651	331,940	329,273
Net value added	936,835	1,063,393	835,154	1,046,825	1,109,107	2,106,817	1,935,282	2,280,890	2,213,712	2,905,554
less: Factor payments	294,656	298,315	365,936	386,067	387,488	794,195	797,257	785,041	729,689	804,378
Employee compensation (total hired labor)	144,319	177,840	232,712	243,613	240,321	234,176	250,742	227,353	198,312	226,433
Net rent received by nonoperator landlords	27,155	27,469	32,814	35,253	42,687	308,713	283,352	280,040	243,426	270,177
Real estate and nonreal estate interest	123,182	93,006	100,410	107,201	104,480	251,306	263,163	277,648	287,951	307,768
Net farm income	642,179	765,078	469,218	660,758	721,619	1,312,622	1,138,025	1,495,849	1,484,023	2,101,176

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	California					Colorado				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	13,714,029	15,113,338	15,998,347	16,706,096	17,237,493	1,020,420	1,201,083	1,296,002	1,411,443	1,511,368
Food grains	391,020	267,409	551,142	410,996	568,025	216,382	261,040	299,196	417,920	391,596
Feed crops	558,125	614,405	741,438	671,272	713,442	438,775	424,922	484,380	509,322	551,284
Cotton	1,129,663	1,050,028	1,219,967	1,323,382	1,190,503	0	0	0	0	0
Oil crops	33,169	62,844	63,052	56,202	60,568	7,734	11,482	12,854	13,218	15,092
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	5,400,407	5,743,184	5,716,612	5,962,591	6,369,767	18,710	22,051	21,780	20,292	17,263
Vegetables	4,059,426	4,831,802	5,217,683	5,883,836	5,474,485	198,836	333,919	304,186	275,477	287,913
All other crops	2,367,030	2,382,466	2,560,537	2,665,047	2,719,400	150,234	156,510	164,548	177,621	207,164
Home consumption	4,494	2,600	2,748	4,027	3,534	1,398	839	880	1,259	1,104
Value of inventory adjustment ²	-229,305	158,600	-74,832	-271,257	137,769	-11,649	-9,680	8,178	-3,666	39,952
Final animal output	5,144,912	5,381,062	5,571,964	5,515,943	6,182,293	2,798,385	3,034,738	2,733,877	2,841,119	2,800,291
Meat animals	1,532,068	1,714,197	1,528,089	1,394,572	1,259,884	2,452,888	2,668,409	2,412,908	2,375,542	2,360,673
Dairy products	2,609,667	2,663,209	2,967,085	3,079,740	3,717,116	189,386	189,285	214,160	206,240	245,769
Poultry and eggs	873,557	874,988	874,611	932,903	1,096,499	95,746	107,204	106,957	126,616	115,965
Miscellaneous livestock	84,718	129,102	118,925	142,079	139,837	26,592	27,511	30,144	34,172	36,728
Home consumption	18,806	20,918	12,882	11,747	10,067	5,436	5,934	7,209	5,944	5,617
Value of inventory adjustment ²	26,096	-21,352	70,372	-45,098	-41,110	28,337	36,395	-37,501	92,605	35,539
Services and forestry	1,029,160	1,135,806	1,147,610	1,150,161	1,368,869	276,052	313,703	334,384	377,259	429,159
Machine hire and customwork	287,972	325,757	324,013	250,961	385,708	50,815	52,939	56,682	55,142	53,470
Forest products sold	9,077	25,052	12,011	9,320	9,500	800	750	750	700	680
Other farm income	188,733	236,186	197,444	253,703	301,332	99,286	116,540	105,820	131,650	175,576
Gross imputed rental value of farm dwellings	543,378	548,811	614,142	636,177	672,329	125,151	143,474	171,132	189,767	199,433
Final agricultural sector output	19,888,101	21,630,206	22,717,921	23,372,200	24,788,655	4,094,857	4,549,524	4,364,263	4,629,821	4,740,818
less: Intermediate consumption outlays	9,165,376	10,347,894	10,925,699	12,135,757	12,025,152	2,688,115	2,909,115	2,963,876	3,056,645	2,957,192
Farm origin	2,538,115	2,890,815	2,851,569	3,170,489	3,136,250	1,804,837	1,922,007	1,759,740	1,845,222	1,710,531
Feed purchased	1,661,748	1,961,623	1,924,800	2,180,748	2,109,505	420,109	443,926	499,912	639,448	659,532
Livestock and poultry purchased	486,617	511,803	527,918	517,278	492,780	1,316,677	1,405,394	1,174,565	1,124,241	961,206
Seed purchased	389,750	417,389	398,851	472,463	533,965	68,051	72,687	85,263	81,533	89,793
Manufactured inputs	2,195,377	2,208,645	2,324,489	2,605,901	2,919,748	279,112	289,401	349,322	366,559	409,247
Fertilizers and lime	572,266	593,582	665,736	773,346	803,532	75,773	86,477	112,133	119,100	131,267
Pesticides	724,505	754,616	779,352	881,162	965,050	47,917	52,774	61,701	64,889	70,816
Petroleum fuel and oils	389,538	395,913	369,553	380,875	423,380	93,467	91,575	101,597	102,076	113,700
Electricity	509,068	464,534	509,848	570,518	727,786	61,955	58,575	73,891	80,494	93,464
Other intermediate expenses	4,431,884	5,248,434	5,749,641	6,359,367	5,969,154	604,166	697,707	854,814	844,864	837,414
Repair and maintenance of capital items	614,374	702,992	645,386	702,861	759,311	136,409	137,509	162,508	159,850	170,100
Machine hire and customwork	682,471	792,989	879,881	809,209	843,616	72,866	78,078	80,467	99,729	69,566
Marketing, storage, and transportation expenses	962,034	1,101,985	1,548,386	1,639,427	1,386,666	63,290	113,989	122,681	124,832	107,887
Contract labor	832,171	914,809	901,656	960,148	927,466	12,862	13,154	12,039	17,942	21,674
Miscellaneous expenses	1,340,834	1,735,659	1,774,332	2,247,722	2,052,095	318,739	354,977	477,119	442,511	468,187
plus: Net government transactions	-26,934	34,111	-274,470	-350,127	-296,938	117,730	157,655	69,574	54,040	58,905
+ Direct government payments	430,382	522,146	272,678	237,670	295,460	203,234	250,253	176,967	166,963	176,101
- Motor vehicle registration and licensing fees	30,780	32,935	40,595	49,791	42,346	8,181	9,804	12,742	10,369	11,730
- Property taxes	426,536	455,100	506,553	538,006	550,052	77,323	82,794	94,651	102,554	105,466
Gross value added	10,695,791	11,316,423	11,517,752	10,886,317	12,466,565	1,524,472	1,798,064	1,469,961	1,627,216	1,842,531
less: Capital consumption	938,092	915,427	919,809	935,798	947,040	287,025	295,990	306,133	309,798	308,630
Net value added	9,757,699	10,400,996	10,597,943	9,950,518	11,519,525	1,237,447	1,502,074	1,163,828	1,317,418	1,533,901
less: Factor payments	4,452,154	4,578,900	4,773,127	5,305,981	5,856,541	486,023	486,582	591,775	681,189	690,366
Employee compensation (total hired labor)	2,887,139	3,044,222	3,105,561	3,570,605	3,979,121	158,894	195,801	256,213	268,216	264,592
Net rent received by nonoperator landlords	573,233	529,993	575,184	550,019	628,580	85,399	73,585	89,889	141,129	154,826
Real estate and nonreal estate interest	991,782	1,004,685	1,092,382	1,185,357	1,248,840	241,730	217,196	245,673	271,844	270,948
Net farm income	5,305,545	5,822,096	5,824,816	4,644,537	5,662,985	751,424	1,015,492	572,053	636,229	843,535

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Connecticut					Delaware				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	204,890	211,034	229,997	227,687	227,043	160,592	137,871	164,655	150,680	199,189
Food grains	0	0	0	0	0	10,905	10,105	11,821	17,005	18,117
Feed crops	4,559	4,045	4,669	4,613	4,397	27,470	21,254	23,593	26,580	39,230
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	0	0	0	0	0	37,438	30,779	36,557	28,271	40,953
Tobacco	30,075	21,310	24,861	4,294	7,623	0	0	0	0	0
Fruits and tree nuts	16,169	15,093	15,189	14,383	15,037	4,221	4,305	4,853	3,316	4,183
Vegetables	21,608	24,763	24,941	24,614	26,763	42,281	39,768	37,255	47,896	43,528
All other crops	140,224	148,310	154,582	182,559	198,593	37,538	38,345	40,512	38,612	37,569
Home consumption	219	125	132	191	168	148	82	87	126	110
Value of inventory adjustment ²	-7,964	-2,612	5,623	-2,967	-25,538	591	-6,767	9,977	-11,126	15,499
Final animal output	255,646	269,227	253,889	224,380	238,684	450,491	464,547	506,367	519,870	569,950
Meat animals	16,758	18,951	16,077	15,089	13,248	9,639	14,822	9,942	7,102	9,782
Dairy products	76,319	74,477	74,562	72,208	78,970	19,208	19,564	19,454	19,008	21,114
Poultry and eggs	90,805	107,368	100,966	72,073	76,178	417,087	429,266	472,606	487,439	539,137
Miscellaneous livestock	68,132	68,137	61,944	68,326	68,304	3,323	3,342	3,370	3,404	3,423
Home consumption	1,126	1,322	1,333	1,197	1,070	1,340	1,469	1,415	1,185	1,139
Value of inventory adjustment ²	2,506	-1,028	-993	-4,513	914	-106	-3,916	-420	1,732	-4,645
Services and forestry	52,112	54,655	55,859	56,536	54,661	65,838	71,017	74,611	84,290	86,307
Machine hire and customwork	1,820	1,868	1,966	2,017	1,969	2,910	2,987	3,144	3,225	3,148
Forest products sold	1,810	1,605	1,165	1,925	1,225	2,770	2,475	2,475	2,480	2,480
Other farm income	10,315	10,329	10,694	10,790	7,646	46,983	50,454	51,299	59,644	60,658
Gross imputed rental value of farm dwellings	38,167	40,853	42,034	41,804	43,821	13,175	15,101	17,693	18,941	20,021
Final agricultural sector output	512,648	534,916	539,745	508,603	520,389	676,921	673,435	745,633	754,840	855,446
less: Intermediate consumption outlays	180,380	186,363	196,698	200,201	191,962	460,660	467,608	519,081	557,298	609,425
Farm origin	59,955	61,035	58,732	64,095	60,534	282,583	283,571	302,639	320,325	378,066
Feed purchased	47,467	48,407	45,789	50,224	45,230	219,356	220,650	235,234	251,444	309,275
Livestock and poultry purchased	5,021	5,134	4,385	3,932	3,821	51,534	51,186	54,003	53,316	50,809
Seed purchased	7,467	7,494	8,558	9,939	11,483	11,693	11,735	13,402	15,565	17,982
Manufactured inputs	32,741	32,131	34,763	38,247	37,640	52,456	48,645	54,115	60,388	57,851
Fertilizers and lime	12,033	11,061	12,542	13,755	13,531	21,543	18,179	20,422	22,540	22,014
Pesticides	4,617	4,305	5,191	5,990	5,267	15,648	14,591	17,594	20,301	17,852
Petroleum fuel and oils	9,245	9,601	9,573	10,559	11,294	9,603	9,950	9,932	10,978	11,742
Electricity	6,846	7,164	7,457	7,943	7,548	5,662	5,925	6,167	6,569	6,243
Other intermediate expenses	87,684	93,197	103,203	97,859	93,788	125,621	135,392	162,327	176,585	173,508
Repair and maintenance of capital items	22,829	22,626	22,838	20,677	21,108	15,103	15,282	16,630	15,563	15,255
Machine hire and customwork	1,846	2,230	2,985	3,944	2,888	3,303	3,991	5,342	7,059	5,168
Marketing, storage, and transportation expenses	15,324	19,228	25,077	24,028	21,033	20,088	24,374	34,638	35,591	32,555
Contract labor	1,440	1,515	2,026	1,686	2,498	1,356	1,427	1,909	1,588	2,353
Miscellaneous expenses	46,245	47,598	50,277	47,524	46,261	85,771	90,318	103,808	116,784	118,177
plus: Net government transactions	-16,873	-16,398	-18,538	-18,415	-19,270	-3,763	-487	-1,864	-4,348	-2,607
+ Direct government payments	2,217	2,892	2,367	2,382	1,791	2,976	6,244	5,580	3,109	4,888
- Motor vehicle registration and licensing fees	596	467	814	916	812	504	385	670	754	668
- Property taxes	18,494	18,823	20,091	19,881	20,249	6,235	6,346	6,774	6,703	6,827
Gross value added	315,396	332,155	324,509	289,987	309,156	212,498	205,340	224,688	193,194	243,414
less: Capital consumption	46,515	45,547	44,226	43,647	44,030	33,641	33,273	34,125	34,644	34,834
Net value added	268,881	286,608	280,283	246,340	265,126	178,857	172,067	190,563	158,550	208,580
less: Factor payments	91,583	92,469	97,205	106,031	111,396	59,317	57,818	65,008	65,372	70,505
Employee compensation (total hired labor)	75,907	80,188	81,814	89,926	94,186	23,275	24,588	25,085	27,574	28,880
Net rent received by nonoperator landlords	228	-500	-697	256	419	13,839	11,180	13,858	13,327	15,763
Real estate and nonreal estate interest	15,448	12,781	16,088	15,849	16,791	22,203	22,050	26,065	24,471	25,862
Net farm income	177,298	194,139	183,078	140,309	153,730	119,541	114,250	125,555	93,177	138,075

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Florida					Georgia				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	4,984,156	4,862,193	4,857,277	4,809,814	4,969,612	1,806,309	1,590,610	2,217,792	2,354,647	2,462,385
Food grains	2,349	2,268	1,717	1,255	1,534	45,606	41,770	56,259	42,677	88,477
Feed crops	24,506	22,895	25,070	23,882	30,643	151,720	111,335	139,857	117,782	167,735
Cotton	20,502	23,393	37,916	38,598	47,432	219,979	241,824	391,759	741,333	781,640
Oil crops	65,312	65,815	65,860	57,783	64,657	638,942	504,517	612,401	480,989	446,117
Tobacco	31,729	30,638	27,248	30,907	31,021	170,101	156,805	135,854	148,505	176,320
Fruits and tree nuts	1,496,193	1,487,798	1,619,356	1,688,828	1,774,086	91,002	128,714	102,698	127,724	77,944
Vegetables	1,756,993	1,688,676	1,448,371	1,321,518	1,303,167	267,081	281,555	340,542	434,069	378,469
All other crops	1,576,637	1,545,401	1,626,570	1,655,059	1,689,925	202,433	217,313	237,217	254,563	291,084
Home consumption	2,137	1,284	1,356	1,963	1,723	2,521	1,514	1,565	2,265	1,988
Value of inventory adjustment ²	7,798	-5,975	3,813	-9,979	25,424	16,924	-94,737	199,640	4,740	52,611
Final animal output	1,171,130	1,244,301	1,221,778	1,120,355	1,177,050	2,301,535	2,588,387	2,726,818	2,784,477	3,253,349
Meat animals	362,616	377,674	348,328	301,491	231,576	436,135	463,897	418,419	428,819	404,196
Dairy products	401,700	385,503	408,408	363,528	431,280	229,860	226,510	238,183	222,046	241,561
Poultry and eggs	259,678	298,831	291,605	315,475	353,469	1,583,335	1,822,378	1,975,433	2,102,238	2,588,655
Miscellaneous livestock	141,880	149,123	146,192	157,265	171,868	35,257	35,743	38,960	35,491	44,848
Home consumption	2,370	2,241	1,969	1,598	1,361	5,537	7,203	6,480	5,011	4,153
Value of inventory adjustment ²	2,886	30,929	25,276	-19,002	-12,504	11,411	32,656	49,343	-9,128	-30,064
Services and forestry	220,684	219,373	241,691	269,776	290,697	518,344	561,580	615,160	681,842	740,891
Machine hire and customwork	20,534	19,342	25,653	31,935	38,101	22,152	20,865	27,674	34,451	41,103
Forest products sold	15,000	15,000	15,000	15,000	15,000	128,300	137,000	148,800	148,800	150,000
Other farm income	61,272	64,982	63,685	70,163	78,566	198,299	218,820	226,092	269,712	308,924
Gross imputed rental value of farm dwellings	123,878	120,049	137,353	152,678	159,030	169,593	184,895	212,594	228,879	240,864
Final agricultural sector output	6,375,970	6,325,867	6,320,746	6,199,945	6,437,358	4,626,188	4,740,577	5,559,770	5,820,966	6,456,625
less: Intermediate consumption outlays	2,194,494	2,435,536	2,487,206	2,762,942	2,951,157	2,156,428	2,446,654	2,582,860	2,870,052	3,235,852
Farm origin	507,362	549,725	539,818	573,118	621,523	946,056	1,048,281	1,093,188	1,169,452	1,420,465
Feed purchased	274,505	294,303	290,319	315,319	348,346	665,848	737,045	762,937	828,146	1,066,508
Livestock and poultry purchased	48,471	61,979	55,765	51,473	43,361	169,670	195,268	214,109	217,614	216,183
Seed purchased	184,386	193,443	193,734	206,326	229,816	110,538	115,968	116,142	123,692	137,774
Manufactured inputs	733,674	800,916	774,491	860,093	890,612	484,155	541,823	521,887	579,878	594,214
Fertilizers and lime	287,485	295,457	288,840	307,948	331,895	201,227	226,812	222,881	237,278	255,315
Pesticides	290,224	340,700	335,080	372,549	397,064	134,766	158,205	155,595	172,994	184,377
Petroleum fuel and oils	111,557	112,297	104,108	115,296	120,596	109,385	110,997	102,840	113,459	118,671
Electricity	44,408	52,462	46,463	64,300	41,057	38,777	45,809	40,571	56,147	35,851
Other intermediate expenses	953,459	1,084,895	1,172,897	1,329,731	1,439,022	726,217	856,550	967,785	1,120,722	1,221,172
Repair and maintenance of capital items	148,176	185,663	165,776	166,969	202,632	152,857	179,786	171,241	177,140	197,451
Machine hire and customwork	116,062	96,500	108,434	154,087	161,315	71,510	62,062	80,644	115,229	128,688
Marketing, storage, and transportation expenses	156,949	256,279	264,814	276,301	345,322	104,072	178,457	205,294	238,289	320,334
Contract labor	180,308	191,529	217,186	302,660	394,612	17,503	18,592	21,083	29,380	38,306
Miscellaneous expenses	351,964	354,924	416,687	429,714	335,141	380,275	417,653	489,523	560,684	536,393
plus: Net government transactions	-168,688	-67,407	-134,486	-143,346	-179,323	65,429	130,817	36,117	-40,237	7,568
+ Direct government payments	53,085	110,680	58,588	55,045	22,872	182,300	225,493	139,726	66,393	114,524
- Motor vehicle registration and licensing fees	2,981	3,352	4,921	5,259	3,708	4,111	4,622	6,639	7,094	4,660
- Property taxes	218,792	174,735	188,153	193,132	198,487	112,760	90,054	96,970	99,536	102,296
Gross value added	4,012,788	3,822,924	3,699,055	3,293,657	3,306,879	2,535,189	2,424,740	3,013,027	2,910,677	3,228,341
less: Capital consumption	259,043	260,682	266,729	268,756	271,223	325,250	329,448	334,249	340,284	338,393
Net value added	3,753,745	3,562,242	3,432,326	3,024,901	3,035,656	2,209,939	2,095,292	2,678,778	2,570,393	2,889,948
less: Factor payments	1,025,668	1,166,554	1,158,256	1,212,006	1,266,594	534,688	562,935	580,382	617,036	656,212
Employee compensation (total hired labor)	706,632	837,082	789,391	829,417	844,927	190,471	225,635	212,779	223,568	227,749
Net rent received by nonoperator landlords	39,374	42,048	43,295	53,018	69,097	117,481	120,992	130,214	134,196	149,010
Real estate and nonreal estate interest	279,662	287,424	325,570	329,571	352,570	226,736	216,308	237,389	259,272	279,453
Net farm income	2,728,077	2,395,688	2,274,070	1,812,895	1,769,062	1,675,251	1,532,357	2,098,396	1,953,357	2,233,736

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Hawaii					Idaho				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	437,276	422,399	432,078	422,846	416,806	1,590,289	1,807,703	1,793,997	1,986,230	2,151,215
Food grains	0	0	0	0	0	336,260	310,042	323,645	399,053	483,914
Feed crops	0	0	0	0	0	264,050	324,216	316,552	345,601	370,322
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	0	0	0	0	0	2,794	4,181	7,749	7,570	3,604
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	161,209	141,509	150,624	169,488	179,932	23,333	23,073	25,078	22,694	35,209
Vegetables	38,787	36,717	39,710	42,096	39,472	626,190	723,399	719,457	818,041	848,101
All other crops	237,017	244,015	241,577	211,020	197,190	334,256	335,924	358,877	339,156	339,537
Home consumption	263	158	167	242	212	1,151	675	713	1,082	950
Value of inventory adjustment ²	0	0	0	0	0	2,255	86,193	41,926	53,033	69,578
Final animal output	80,174	79,402	82,708	70,777	63,791	1,126,282	1,188,753	1,247,032	1,232,732	1,323,040
Meat animals	35,842	33,414	26,059	21,506	18,719	715,919	717,124	677,825	645,388	603,629
Dairy products	32,495	32,035	31,747	32,146	29,234	370,800	387,960	456,330	508,130	652,605
Poultry and eggs	18,841	17,459	16,723	15,662	15,200	11,499	13,208	14,135	12,470	15,464
Miscellaneous livestock	1,976	2,349	2,292	2,547	2,842	47,006	48,780	50,778	55,296	57,560
Home consumption	1,221	1,002	983	879	809	7,159	7,548	6,427	5,916	5,474
Value of inventory adjustment ²	-10,201	-6,857	4,904	-1,963	-3,013	-26,101	14,133	41,537	5,532	-11,692
Services and forestry	36,680	35,331	36,271	36,665	39,270	180,134	199,742	219,053	243,423	264,732
Machine hire and customwork	2,975	3,105	3,448	3,210	3,586	46,049	47,973	51,366	49,970	48,454
Forest products sold	320	320	320	320	320	400	420	442	464	488
Other farm income	1,485	1,576	1,505	1,638	1,654	37,111	43,004	38,337	46,401	61,112
Gross imputed rental value of farm dwellings	31,900	30,330	30,998	31,497	33,710	96,574	108,345	128,908	146,588	154,678
Final agricultural sector output	554,130	537,132	551,057	530,288	519,867	2,896,705	3,196,198	3,260,082	3,462,385	3,738,987
less: Intermediate consumption outlays	193,159	198,710	213,088	216,224	216,113	1,328,891	1,421,087	1,704,934	1,808,647	1,908,647
Farm origin	44,682	44,606	46,064	40,577	44,049	456,331	485,467	561,091	613,396	654,454
Feed purchased	31,376	29,658	29,732	27,493	32,264	224,951	225,837	281,233	360,702	407,130
Livestock and poultry purchased	664	667	1,450	547	544	142,034	164,197	167,913	145,646	129,432
Seed purchased	12,642	14,281	14,882	12,537	11,241	89,346	95,433	111,945	107,048	117,892
Manufactured inputs	71,798	71,646	75,388	80,975	82,132	388,872	394,166	484,343	511,745	570,838
Fertilizers and lime	29,540	26,381	28,475	31,636	32,774	153,754	158,762	205,862	218,650	240,987
Pesticides	20,396	23,087	24,775	26,188	24,816	68,474	75,415	88,172	92,728	101,196
Petroleum fuel and oils	15,850	16,014	15,961	16,315	17,177	77,533	75,739	84,030	84,591	94,223
Electricity	6,012	6,164	6,177	6,836	7,365	89,111	84,250	106,279	115,776	134,432
Other intermediate expenses	76,679	82,458	91,636	94,671	89,933	483,688	541,454	659,500	683,506	683,355
Repair and maintenance of capital items	20,268	21,138	19,797	21,358	23,058	112,531	110,596	131,517	137,336	150,438
Machine hire and customwork	5,633	6,539	7,097	7,203	6,777	78,353	83,959	86,527	107,240	74,806
Marketing, storage, and transportation expenses	13,943	16,136	19,145	18,915	16,262	45,560	78,335	89,349	94,708	86,983
Contract labor	5,659	5,835	5,949	6,488	7,015	15,956	16,319	14,936	22,259	26,889
Miscellaneous expenses	31,176	32,810	39,648	40,707	36,821	231,288	252,245	337,171	321,963	344,239
plus: Net government transactions	-42,607	-41,821	-41,000	-44,284	-46,749	61,490	77,339	32,224	-11,206	11,065
+ Direct government payments	1,822	3,131	2,911	947	580	137,395	159,316	127,322	89,449	116,009
- Motor vehicle registration and licensing fees	802	816	944	1,046	935	7,078	8,280	10,847	9,369	11,066
- Property taxes	43,627	44,136	42,967	44,185	46,394	68,827	73,697	84,251	91,286	93,878
Gross value added	318,364	296,601	296,969	269,780	257,005	1,629,304	1,852,449	1,587,372	1,642,532	1,841,405
less: Capital consumption	45,641	40,216	39,940	43,437	43,284	240,708	242,293	251,096	258,292	260,551
Net value added	272,723	256,385	257,029	226,343	213,721	1,388,596	1,610,156	1,336,276	1,384,240	1,580,854
less: Factor payments	216,859	209,808	214,665	214,946	215,725	516,298	548,961	667,822	743,268	762,416
Employee compensation (total hired labor)	176,447	175,388	175,416	176,957	177,556	186,415	229,713	300,588	314,670	310,419
Net rent received by nonoperator landlords	18,127	14,795	18,350	19,275	18,824	145,446	134,265	161,011	209,479	233,964
Real estate and nonreal estate interest	22,285	19,625	20,899	18,714	19,345	184,437	184,983	206,223	219,119	218,033
Net farm income	55,864	46,577	42,364	11,397	-2,004	872,298	1,061,195	668,454	640,972	818,438

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Illinois					Indiana				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	6,149,113	5,375,044	6,872,112	5,580,630	7,672,623	3,172,514	3,074,043	3,362,036	3,075,862	3,780,061
Food grains	178,411	170,690	179,610	251,290	182,280	77,195	95,452	103,817	164,553	117,583
Feed crops	2,604,174	3,000,424	2,952,141	3,460,381	3,642,132	1,240,333	1,717,411	1,374,560	1,700,341	1,822,479
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	2,104,919	2,379,556	2,386,076	2,449,197	2,784,742	1,018,321	1,322,454	1,174,112	1,304,641	1,453,442
Tobacco	0	0	0	0	0	35,187	33,383	29,164	22,334	21,500
Fruits and tree nuts	25,559	21,864	13,160	21,892	18,444	22,078	22,497	18,829	25,007	24,791
Vegetables	78,493	72,055	81,194	73,420	82,692	75,790	83,300	89,585	88,241	98,431
All other crops	278,155	271,612	284,294	280,321	278,605	156,659	125,575	140,254	123,181	125,218
Home consumption	4,439	2,600	2,678	3,876	3,401	3,562	2,074	2,191	3,121	2,739
Value of inventory adjustment ²	874,963	-543,757	972,959	-959,747	680,327	543,389	-328,103	429,524	-355,557	113,878
Final animal output	2,205,040	2,259,777	2,043,538	1,877,791	1,991,460	1,810,548	1,893,290	1,759,291	1,711,726	1,895,748
Meat animals	1,754,414	1,824,789	1,621,536	1,528,778	1,609,675	1,057,690	1,122,323	975,413	1,009,626	1,015,509
Dairy products	331,569	318,150	334,894	303,104	345,300	299,117	286,650	295,738	278,272	312,522
Poultry and eggs	62,539	73,761	76,346	76,478	87,636	447,830	459,727	448,417	456,201	552,750
Miscellaneous livestock	17,057	16,881	17,420	17,575	18,492	13,424	14,095	14,155	14,605	13,874
Home consumption	24,549	18,554	14,099	13,210	12,817	10,656	15,644	12,673	10,241	9,767
Value of inventory adjustment ²	14,912	7,642	-20,757	-61,354	-82,460	-18,169	-5,149	12,895	-57,219	-8,674
Services and forestry	454,165	486,813	536,520	605,652	612,595	333,903	365,725	408,287	447,848	457,503
Machine hire and customwork	84,229	83,957	85,937	103,733	74,675	41,499	41,364	42,340	51,108	36,791
Forest products sold	5,000	5,000	5,000	5,000	5,000	17,800	21,385	17,500	18,500	18,500
Other farm income	94,936	107,133	97,717	111,577	122,588	41,221	45,181	42,358	44,218	48,668
Gross imputed rental value of farm dwellings	270,000	290,723	347,866	385,342	410,332	233,363	257,795	306,089	334,022	352,544
Final agricultural sector output	8,808,318	8,121,634	9,452,170	8,064,073	10,276,678	5,316,965	5,333,058	5,529,614	5,235,436	6,133,312
less: Intermediate consumption outlays	3,834,368	3,975,791	4,094,041	4,062,790	4,268,519	2,747,249	2,822,145	2,897,052	2,834,257	2,922,734
Farm origin	1,197,745	1,222,990	1,202,004	1,096,225	1,093,643	1,109,813	1,100,637	1,118,298	996,790	964,581
Feed purchased	582,581	585,588	595,759	505,050	471,438	728,989	691,649	730,156	637,515	595,645
Livestock and poultry purchased	204,201	201,585	176,286	166,050	140,606	146,472	160,463	142,958	116,847	94,303
Seed purchased	410,963	435,817	429,959	425,125	481,599	234,352	248,525	245,184	242,428	274,633
Manufactured inputs	1,553,074	1,559,589	1,645,271	1,721,537	1,901,499	957,696	960,806	1,005,723	1,059,234	1,168,270
Fertilizers and lime	703,281	679,369	726,430	776,146	869,359	448,128	430,520	455,824	496,152	557,389
Pesticides	492,784	507,903	570,378	602,647	700,648	277,174	285,677	320,818	338,968	394,090
Petroleum fuel and oils	268,192	271,318	262,708	255,444	245,850	172,172	176,128	170,935	164,921	158,722
Electricity	88,817	100,999	85,755	87,300	85,642	60,222	68,481	58,146	59,193	58,069
Other intermediate expenses	1,083,549	1,193,212	1,246,766	1,245,028	1,273,377	679,740	760,702	773,031	778,233	789,883
Repair and maintenance of capital items	379,264	380,615	375,436	414,197	435,600	255,679	255,720	257,504	278,635	288,854
Machine hire and customwork	109,365	128,109	136,173	132,036	132,529	57,934	67,863	72,135	69,943	70,204
Marketing, storage, and transportation expenses	112,535	136,678	151,677	137,680	148,264	67,255	88,598	89,022	84,390	91,057
Contract labor	9,416	7,008	8,131	7,087	11,491	10,195	7,587	8,803	7,673	12,441
Miscellaneous expenses	472,969	540,802	575,349	554,028	545,493	288,677	340,934	345,567	337,592	327,327
plus: Net government transactions	44,765	403,804	-165,551	69,015	-88,201	4,427	145,169	-108,302	-2,760	-34,277
+ Direct government payments	480,651	851,190	302,915	543,704	386,767	232,518	378,953	136,807	245,968	213,703
- Motor vehicle registration and licensing fees	14,963	14,386	15,087	17,384	14,869	11,619	11,101	11,945	13,545	11,360
- Property taxes	420,923	433,000	453,379	457,305	460,099	216,472	222,683	233,164	235,183	236,620
Gross value added	5,018,715	4,549,647	5,192,579	4,070,298	5,919,958	2,574,143	2,656,081	2,524,261	2,398,420	3,176,301
less: Capital consumption	985,180	982,584	999,926	1,016,942	1,013,702	646,459	646,101	663,604	672,336	667,878
Net value added	4,033,535	3,567,063	4,192,653	3,053,356	4,906,256	1,927,684	2,009,980	1,860,657	1,726,084	2,508,423
less: Factor payments	2,372,177	2,269,684	2,215,998	2,212,639	2,650,984	1,194,578	1,231,224	1,087,900	1,168,505	1,267,461
Employee compensation (total hired labor)	316,093	338,012	321,294	309,947	301,821	220,240	235,511	223,862	215,957	210,295
Net rent received by nonoperator landlords	1,445,865	1,342,836	1,291,214	1,226,896	1,644,320	584,807	629,848	496,697	552,784	638,630
Real estate and nonreal estate interest	610,219	588,836	603,490	675,796	704,843	389,531	365,865	367,341	399,764	418,536
Net farm income	1,661,358	1,297,379	1,976,655	840,717	2,255,272	733,106	778,756	772,757	557,579	1,240,962

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Iowa					Kansas				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	5,587,065	2,965,387	6,587,455	5,802,919	7,910,489	2,655,457	2,346,796	3,037,584	2,775,063	3,625,808
Food grains	5,003	2,405	5,768	5,514	6,866	1,051,963	1,145,232	1,374,854	1,324,638	1,184,123
Feed crops	3,030,127	2,755,944	2,626,001	3,711,518	4,396,211	906,113	901,870	990,149	1,247,675	1,563,005
Cotton	0	0	0	0	0	172	115	375	324	1,033
Oil crops	2,026,931	1,784,588	2,055,434	2,425,006	2,892,171	335,472	351,314	432,246	402,397	495,028
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	3,639	2,793	3,145	3,422	3,313	7,705	4,191	6,640	3,516	1,698
Vegetables	10,735	5,642	14,619	16,943	23,823	33,908	27,571	21,950	16,252	16,511
All other crops	63,836	54,319	68,446	71,816	73,523	36,677	39,197	39,386	40,687	37,484
Home consumption	5,645	3,357	3,513	5,034	4,417	3,672	2,140	2,261	3,323	2,915
Value of inventory adjustment ²	441,149	-1,643,661	1,810,529	-436,334	510,165	279,775	-124,834	169,723	-263,749	324,011
Final animal output	5,589,977	5,735,285	5,183,823	4,919,892	5,343,773	4,965,715	4,923,458	4,943,537	4,643,463	4,621,513
Meat animals	4,900,429	5,009,971	4,451,497	4,224,977	4,503,166	4,590,655	4,660,515	4,546,827	4,321,055	4,334,357
Dairy products	507,650	506,112	498,585	501,480	546,070	151,074	135,255	142,208	143,418	168,270
Poultry and eggs	222,495	248,941	262,031	276,208	384,683	19,446	23,515	26,717	32,045	37,088
Miscellaneous livestock	15,599	16,210	18,760	19,602	22,861	38,391	38,398	42,222	39,854	30,612
Home consumption	16,082	15,259	13,891	13,481	14,703	13,738	10,495	14,150	13,283	11,500
Value of inventory adjustment ²	-72,278	-61,208	-60,941	-115,856	-127,710	152,411	55,280	171,413	93,808	39,686
Services and forestry	556,974	600,365	633,270	710,584	714,351	427,445	480,467	547,231	598,651	655,912
Machine hire and customwork	113,386	113,020	115,685	139,642	100,525	70,382	74,462	113,159	90,495	113,350
Forest products sold	15,000	15,000	15,000	15,000	18,000	17,127	17,975	24,846	28,833	25,230
Other farm income	184,395	207,855	194,707	224,714	249,255	171,674	202,265	187,745	243,794	274,071
Gross imputed rental value of farm dwellings	244,193	264,490	307,878	331,228	346,571	168,262	185,765	221,481	235,529	243,261
Final agricultural sector output	11,734,016	9,301,037	12,404,548	11,433,395	13,968,613	8,048,617	7,750,721	8,528,352	8,017,177	8,903,233
less: Intermediate consumption outlays	5,829,700	6,071,182	6,132,065	5,799,392	5,967,935	4,891,472	4,936,516	5,123,370	5,212,294	5,406,826
Farm origin	2,811,733	2,918,585	2,874,711	2,455,288	2,419,270	3,105,748	3,062,005	3,094,364	3,014,268	3,070,087
Feed purchased	1,446,605	1,439,579	1,499,129	1,303,887	1,229,881	777,392	776,870	840,683	894,653	957,250
Livestock and poultry purchased	920,962	1,007,979	910,886	691,930	668,880	2,217,909	2,168,686	2,127,506	1,991,250	1,966,488
Seed purchased	444,166	471,027	464,696	459,471	520,509	110,447	116,449	126,175	128,365	146,349
Manufactured inputs	1,539,447	1,567,026	1,620,005	1,694,811	1,858,932	740,071	731,093	791,451	872,006	987,685
Fertilizers and lime	618,378	604,587	631,882	683,955	767,238	266,502	266,551	301,441	357,739	417,370
Pesticides	475,371	489,956	550,224	581,352	675,890	171,549	173,634	193,463	216,597	243,291
Petroleum fuel and oils	312,641	321,176	309,428	298,718	287,503	243,825	233,206	232,502	241,120	264,462
Electricity	133,057	151,307	128,471	130,786	128,301	58,195	57,702	64,045	56,550	62,562
Other intermediate expenses	1,478,520	1,585,571	1,637,349	1,649,293	1,689,733	1,045,653	1,143,418	1,237,555	1,326,020	1,349,055
Repair and maintenance of capital items	445,226	453,924	446,483	483,910	498,263	341,121	371,633	376,368	380,947	444,253
Machine hire and customwork	153,839	180,205	191,549	185,729	186,422	148,192	179,673	203,781	217,840	189,632
Marketing, storage, and transportation expenses	163,256	174,196	190,951	183,138	210,563	65,831	67,555	76,243	86,210	82,253
Contract labor	12,205	9,083	10,539	9,186	14,894	11,676	14,582	8,652	16,707	10,263
Miscellaneous expenses	703,994	768,163	797,827	787,330	779,591	478,833	509,975	572,511	624,316	622,654
plus: Net government transactions	163,461	717,411	195,852	240,832	-41,931	335,774	538,675	211,034	151,712	285,941
+ Direct government payments	662,278	1,229,544	732,429	784,662	501,694	592,145	783,963	467,532	422,226	555,139
- Motor vehicle registration and licensing fees	18,966	18,515	19,726	22,504	19,113	13,436	13,541	14,240	18,865	15,452
- Property taxes	479,851	493,618	516,851	521,326	524,512	242,935	231,747	242,258	251,649	253,746
Gross value added	6,067,777	3,947,266	6,468,335	5,874,835	7,958,747	3,492,919	3,352,879	3,616,015	2,956,595	3,782,348
less: Capital consumption	1,153,387	1,159,257	1,175,659	1,181,215	1,168,010	639,189	636,508	653,488	658,560	655,554
Net value added	4,914,390	2,788,009	5,292,676	4,693,620	6,790,737	2,853,730	2,716,371	2,962,527	2,298,035	3,126,794
less: Factor payments	2,333,968	2,024,429	2,359,071	2,507,516	2,821,715	1,073,014	1,125,727	1,207,788	1,245,837	1,398,245
Employee compensation (total hired labor)	273,034	291,966	277,525	267,724	260,705	189,527	201,504	233,598	229,371	252,076
Net rent received by nonoperator landlords	1,266,164	925,184	1,254,855	1,312,347	1,599,807	417,997	465,135	476,717	479,535	587,151
Real estate and nonreal estate interest	794,770	807,279	826,691	927,445	961,203	465,490	459,088	497,473	536,931	559,018
Net farm income	2,580,422	763,580	2,933,605	2,186,104	3,969,022	1,780,716	1,590,645	1,754,739	1,052,198	1,728,549

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Kentucky					Louisiana				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	1,751,128	1,551,811	1,652,328	1,391,581	1,722,702	1,197,370	1,041,049	1,395,472	1,355,129	1,667,151
Food grains	58,827	57,272	77,399	94,128	126,257	222,500	137,047	231,299	211,850	273,744
Feed crops	303,709	356,634	339,540	392,313	463,804	98,213	72,516	95,197	91,057	212,273
Cotton	0	0	0	0	0	446,707	341,049	471,439	501,649	520,245
Oil crops	210,020	236,729	259,861	245,828	306,970	208,700	200,569	167,933	182,905	249,072
Tobacco	877,357	918,850	786,020	636,485	812,739	0	0	0	0	0
Fruits and tree nuts	10,605	11,693	7,970	11,691	10,558	12,115	15,301	22,292	23,764	16,677
Vegetables	28,141	30,370	30,075	28,875	31,703	55,674	66,388	70,875	71,337	73,897
All other crops	73,662	69,605	71,995	75,671	79,316	245,435	257,325	270,060	300,885	308,950
Home consumption	4,987	2,995	3,096	4,481	3,931	1,589	955	974	1,359	1,193
Value of inventory adjustment ²	183,820	-132,337	76,372	-97,891	-112,576	-93,563	-50,101	65,403	-29,677	11,100
Final animal output	1,670,869	1,739,681	1,686,527	1,653,758	1,656,882	638,983	701,755	720,242	664,883	678,216
Meat animals	830,657	916,901	780,839	668,648	641,354	168,823	203,276	162,182	122,949	121,736
Dairy products	284,275	274,030	267,297	263,925	279,048	135,360	128,800	128,310	122,820	133,326
Poultry and eggs	79,156	88,326	107,744	119,995	166,716	234,910	301,575	333,753	305,516	344,241
Miscellaneous livestock	437,604	445,508	493,056	562,926	631,767	71,122	71,289	75,362	78,560	87,907
Home consumption	15,946	15,699	14,489	11,781	13,294	3,590	2,940	2,566	2,082	1,291
Value of inventory adjustment ²	23,231	-783	23,102	26,483	-75,297	25,178	-6,125	18,069	32,956	-10,285
Services and forestry	482,163	486,711	516,421	548,804	609,094	155,761	175,114	181,975	204,802	206,605
Machine hire and customwork	20,026	21,834	17,682	21,551	23,076	12,832	12,832	18,348	10,193	10,759
Forest products sold	141,500	146,500	152,000	160,000	168,000	41,806	45,000	51,500	65,000	59,300
Other farm income	111,042	94,191	100,173	105,562	137,164	23,429	33,885	16,533	25,239	26,318
Gross imputed rental value of farm dwellings	209,595	224,186	246,566	261,691	280,854	77,694	83,397	95,594	104,370	110,228
Final agricultural sector output	3,904,160	3,778,203	3,855,276	3,594,143	3,988,678	1,992,114	1,917,918	2,297,689	2,224,814	2,551,972
less: Intermediate consumption outlays	1,419,138	1,543,228	1,485,044	1,541,040	1,645,489	1,102,208	1,173,748	1,226,260	1,173,301	1,294,287
Farm origin	457,692	497,995	480,077	466,309	479,438	258,806	292,789	310,654	276,071	280,699
Feed purchased	164,926	177,059	203,817	219,439	258,100	166,688	197,751	209,593	184,446	177,374
Livestock and poultry purchased	230,967	256,661	214,121	173,322	146,965	27,275	30,408	31,716	30,492	29,722
Seed purchased	61,799	64,275	62,139	73,548	74,373	64,843	64,630	69,345	61,133	73,603
Manufactured inputs	353,475	375,710	363,394	403,166	427,167	407,549	390,707	395,617	404,334	457,217
Fertilizers and lime	169,850	180,338	175,878	196,274	207,733	122,260	112,646	121,874	126,916	157,573
Pesticides	69,213	73,754	69,536	75,426	83,595	189,914	182,619	188,177	178,045	194,112
Petroleum fuel and oils	88,181	88,565	92,023	100,362	102,734	76,917	75,761	70,178	73,165	80,670
Electricity	26,231	33,053	25,957	31,104	33,105	18,458	19,681	15,388	26,208	24,862
Other intermediate expenses	607,971	669,523	641,573	671,565	738,884	435,853	490,253	519,989	492,896	556,372
Repair and maintenance of capital items	154,199	202,357	182,501	188,122	190,701	119,468	125,424	112,059	110,110	136,753
Machine hire and customwork	40,768	43,794	46,930	49,748	57,203	93,456	108,527	121,699	100,519	131,789
Marketing, storage, and transportation expenses	103,246	101,088	98,961	112,978	116,840	79,639	103,644	122,793	107,418	121,032
Contract labor	32,069	27,846	42,292	33,341	39,865	8,416	7,238	7,768	12,805	6,366
Miscellaneous expenses	277,689	294,438	270,889	287,376	334,275	134,874	145,420	155,670	162,044	160,432
plus: Net government transactions	-13,702	15,337	-26,875	-26,356	-21,709	246,215	338,860	150,913	125,930	144,228
+ Direct government payments	72,125	96,697	54,879	67,358	74,542	270,835	367,357	181,289	157,129	176,471
- Motor vehicle registration and licensing fees	6,362	8,382	6,420	8,270	8,292	2,656	2,937	2,111	2,436	2,622
- Property taxes	79,465	72,978	75,334	85,444	87,959	21,964	25,560	28,265	28,763	29,621
Gross value added	2,471,320	2,250,313	2,343,356	2,026,747	2,321,479	1,136,121	1,083,029	1,222,342	1,177,444	1,401,913
less: Capital consumption	551,393	557,065	555,809	562,805	566,907	198,567	198,292	200,143	202,027	203,246
Net value added	1,919,927	1,693,248	1,787,547	1,463,942	1,754,572	937,554	884,737	1,022,199	975,417	1,198,667
less: Factor payments	607,022	584,788	606,291	650,649	708,709	504,765	501,721	497,679	454,809	497,723
Employee compensation (total hired labor)	176,263	189,067	181,904	190,597	193,632	153,932	164,822	149,448	130,357	148,842
Net rent received by nonoperator landlords	219,318	198,653	201,618	220,691	269,979	210,631	204,195	209,755	195,832	209,393
Real estate and nonreal estate interest	211,441	197,068	222,769	239,361	245,098	140,202	132,704	138,476	128,620	139,488
Net farm income	1,312,905	1,108,460	1,181,256	813,293	1,045,863	432,789	383,016	524,520	520,608	700,944

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Maine					Maryland				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	262,743	206,615	225,794	210,320	240,566	561,116	492,741	568,283	526,870	684,567
Food grains	0	0	0	0	0	35,182	29,904	36,363	55,730	52,977
Feed crops	9,269	9,112	8,632	9,619	9,338	89,374	65,114	70,196	84,629	129,476
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	0	0	0	0	0	91,878	89,971	93,883	72,918	93,742
Tobacco	0	0	0	0	0	20,898	20,020	18,530	20,869	19,202
Fruits and tree nuts	55,263	36,218	33,374	39,052	50,318	12,288	11,492	11,670	13,453	12,290
Vegetables	114,198	106,109	111,978	109,293	118,429	65,314	63,786	67,249	73,051	75,966
All other crops	36,197	35,792	37,245	42,753	45,489	222,651	244,278	242,631	250,941	249,614
Home consumption	400	240	264	383	336	855	494	504	720	632
Value of inventory adjustment ²	47,416	19,144	34,301	9,220	16,657	22,676	-32,318	27,257	-45,441	50,669
Final animal output	253,295	271,513	269,303	254,709	263,325	804,364	817,082	810,697	818,603	890,713
Meat animals	21,344	26,943	25,799	17,818	15,014	84,417	110,290	82,925	77,890	57,929
Dairy products	92,595	92,384	89,645	88,297	101,457	200,760	186,260	181,525	175,560	199,971
Poultry and eggs	85,611	100,854	111,624	77,795	91,120	459,994	478,238	489,568	528,904	587,518
Miscellaneous livestock	47,984	48,396	43,093	65,665	53,946	40,243	45,973	44,683	51,210	55,085
Home consumption	2,211	2,496	2,321	1,903	1,864	7,186	7,173	6,594	5,347	4,454
Value of inventory adjustment ²	3,550	440	-3,179	3,231	-76	11,764	-10,852	5,402	-20,308	-14,244
Services and forestry	42,817	44,388	45,497	47,339	45,057	189,747	207,156	227,614	243,422	244,328
Machine hire and customwork	4,692	4,816	5,069	5,199	5,075	12,856	13,196	13,891	14,247	13,908
Forest products sold	9,100	9,344	9,100	10,620	8,900	29,250	29,300	29,630	29,995	30,280
Other farm income	5,773	5,793	5,975	6,035	4,325	70,219	73,443	74,167	84,899	82,042
Gross imputed rental value of farm dwellings	23,252	24,435	25,353	25,485	26,757	77,422	91,217	109,926	114,281	118,098
Final agricultural sector output	558,855	522,516	540,594	512,368	548,949	1,555,227	1,516,979	1,606,594	1,588,895	1,819,608
less: Intermediate consumption outlays	240,213	244,243	267,485	289,125	277,270	835,470	853,708	910,695	982,964	1,020,669
Farm origin	84,576	87,266	87,641	101,650	98,605	395,271	403,198	396,066	427,994	488,876
Feed purchased	61,815	64,095	63,036	73,779	67,831	297,601	302,553	292,907	317,942	375,863
Livestock and poultry purchased	5,642	5,990	4,984	5,083	4,447	64,905	67,761	65,605	66,437	62,624
Seed purchased	17,119	17,181	19,621	22,788	26,327	32,765	32,884	37,554	43,615	50,389
Manufactured inputs	59,100	55,591	61,059	68,138	65,529	148,728	136,966	150,843	167,229	161,356
Fertilizers and lime	20,295	17,182	19,149	21,211	20,562	65,603	55,539	62,083	68,381	66,802
Pesticides	16,595	15,474	18,659	21,530	18,933	35,789	33,372	40,240	46,431	40,830
Petroleum fuel and oils	14,053	14,399	14,365	15,932	17,040	30,401	30,334	30,073	32,768	35,052
Electricity	8,157	8,536	8,886	9,465	8,994	16,935	17,721	18,447	19,649	18,672
Other intermediate expenses	96,537	101,386	118,785	119,337	113,136	291,471	313,544	363,786	387,741	370,437
Repair and maintenance of capital items	27,276	26,931	29,522	29,031	29,047	74,073	75,930	81,798	75,683	73,600
Machine hire and customwork	5,768	6,969	9,328	12,326	9,025	15,618	18,869	25,257	33,376	24,436
Marketing, storage, and transportation expenses	15,252	18,166	24,216	23,615	20,861	43,633	53,618	70,290	73,693	65,956
Contract labor	2,712	2,855	3,817	3,177	4,706	2,838	2,987	3,994	3,324	4,923
Miscellaneous expenses	45,529	46,465	51,902	51,188	49,497	155,309	162,140	182,447	201,665	201,522
plus: Net government transactions	-10,612	-1,364	-8,988	-8,999	-18,588	-20,306	-10,257	-24,437	-24,819	-22,523
+ Direct government payments	10,253	19,667	14,114	14,080	4,638	16,067	26,289	15,601	15,142	17,647
- Motor vehicle registration and licensing fees	1,066	880	1,594	1,795	1,549	2,111	1,675	2,819	3,130	2,658
- Property taxes	19,799	20,151	21,508	21,284	21,677	34,262	34,871	37,219	36,831	37,512
Gross value added	308,030	276,909	264,121	214,243	253,091	699,451	653,014	671,462	581,112	776,416
less: Capital consumption	55,820	55,533	56,155	55,508	55,124	155,103	158,117	162,786	163,615	161,540
Net value added	252,210	221,376	207,966	158,735	197,967	544,348	494,897	508,676	417,497	614,876
less: Factor payments	91,762	92,848	98,990	107,581	111,121	203,182	190,570	215,710	224,969	242,253
Employee compensation (total hired labor)	59,462	62,816	64,089	70,444	73,781	91,142	98,283	98,233	107,975	113,091
Net rent received by nonoperator landlords	9,035	9,210	9,557	11,240	9,890	41,443	32,700	37,887	41,890	49,987
Real estate and nonreal estate interest	23,265	20,822	25,344	25,897	27,450	70,597	61,587	79,590	75,104	79,175
Net farm income	160,448	128,528	108,976	51,155	86,846	341,166	304,327	292,965	192,528	372,622

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Massachusetts					Michigan				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	324,605	317,473	335,443	336,510	359,364	1,878,348	1,977,978	2,058,306	2,325,830	2,005,747
Food grains	0	0	0	0	0	97,134	76,685	91,645	143,737	102,482
Feed crops	5,777	5,336	5,424	5,576	5,253	398,805	420,962	403,436	532,681	534,122
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	0	0	0	0	0	289,236	303,012	305,782	364,074	352,218
Tobacco	9,967	7,826	7,030	1,240	1,867	0	0	0	0	0
Fruits and tree nuts	123,362	117,772	119,825	107,210	120,529	209,238	203,175	186,864	204,072	223,135
Vegetables	55,919	59,073	63,809	60,638	75,707	371,888	417,580	451,298	448,507	429,332
All other crops	128,466	132,327	135,492	161,480	165,275	535,019	547,474	577,427	589,562	553,657
Home consumption	351	204	209	302	265	2,959	1,712	1,809	2,719	2,385
Value of inventory adjustment ²	763	-5,065	3,654	64	-9,532	-25,931	7,378	40,045	40,478	-191,584
Final animal output	125,964	120,887	117,720	99,548	107,167	1,354,867	1,400,653	1,389,900	1,323,130	1,422,734
Meat animals	14,194	15,254	13,922	10,331	11,844	456,808	507,135	494,257	456,484	452,014
Dairy products	74,450	68,069	66,148	62,624	69,992	716,344	704,931	739,045	717,469	807,488
Poultry and eggs	21,145	22,312	21,867	10,251	10,882	109,961	131,834	128,138	129,151	139,785
Miscellaneous livestock	15,075	15,431	15,500	16,268	16,349	26,468	27,140	37,223	40,373	48,694
Home consumption	1,689	1,863	1,622	1,269	1,429	10,939	10,917	11,949	11,427	9,873
Value of inventory adjustment ²	-589	-2,042	-1,339	-1,195	-3,329	34,347	18,696	-20,712	-31,774	-35,120
Services and forestry	59,130	59,803	61,538	61,181	60,729	272,521	291,898	325,445	354,334	387,634
Machine hire and customwork	3,280	3,366	3,544	3,634	3,548	41,971	41,819	47,370	36,725	53,199
Forest products sold	2,810	1,836	2,172	2,612	2,210	9,800	10,100	11,000	10,000	10,000
Other farm income	7,284	7,297	7,549	7,622	5,402	44,021	45,294	45,918	50,881	50,181
Gross imputed rental value of farm dwellings	45,756	47,304	48,273	47,313	49,567	176,729	194,685	221,157	256,728	274,254
Final agricultural sector output	509,699	498,163	514,701	497,239	527,260	3,505,736	3,670,529	3,773,651	4,003,294	3,816,115
less: Intermediate consumption outlays	167,344	168,750	187,085	192,931	189,887	1,787,899	1,980,077	2,132,045	2,080,891	2,048,965
Farm origin	41,524	40,914	39,963	43,477	44,605	562,184	620,775	650,644	602,084	599,950
Feed purchased	29,004	28,296	25,975	27,315	26,018	324,973	344,826	370,987	371,381	362,194
Livestock and poultry purchased	987	1,043	769	810	851	65,805	91,958	81,010	47,176	36,878
Seed purchased	11,533	11,575	13,219	15,352	17,736	171,406	183,991	198,647	183,527	200,878
Manufactured inputs	37,241	36,494	38,976	43,951	43,022	577,262	596,491	657,590	645,978	665,676
Fertilizers and lime	10,769	9,798	10,533	12,376	12,108	225,278	225,610	269,947	266,654	269,402
Pesticides	7,803	7,276	8,774	10,124	8,902	169,684	184,450	198,351	199,344	215,638
Petroleum fuel and oils	11,947	12,386	12,347	13,651	14,600	130,347	134,293	136,715	128,524	129,547
Electricity	6,722	7,034	7,322	7,800	7,412	51,953	52,138	52,577	51,456	51,089
Other intermediate expenses	88,579	91,342	108,146	105,503	102,260	648,453	762,811	823,811	832,829	783,339
Repair and maintenance of capital items	31,452	30,847	30,776	27,958	28,893	212,167	241,764	247,655	242,862	275,710
Machine hire and customwork	4,678	5,652	7,565	9,997	7,319	46,817	65,188	74,766	73,319	61,174
Marketing, storage, and transportation expenses	14,787	17,672	23,567	22,846	20,542	89,861	96,520	128,345	126,200	107,494
Contract labor	2,365	2,489	3,328	2,769	4,102	8,657	17,434	14,100	9,561	11,904
Miscellaneous expenses	35,297	34,682	42,910	41,933	41,404	290,951	341,905	358,945	380,887	327,057
plus: Net government transactions	-18,282	-19,620	-20,543	-22,699	-23,939	-168,925	-79,853	-84,362	-42,111	-84,952
+ Direct government payments	4,761	3,643	4,717	2,458	1,548	142,509	241,342	102,065	150,996	109,585
- Motor vehicle registration and licensing fees	873	698	1,176	1,324	1,213	9,013	7,207	7,776	8,402	8,082
- Property taxes	22,170	22,565	24,084	23,833	24,274	302,421	313,988	178,651	184,705	186,455
Gross value added	324,073	309,793	307,072	281,609	313,434	1,548,912	1,610,599	1,557,244	1,880,291	1,682,198
less: Capital consumption	62,162	59,977	57,448	56,247	57,335	510,141	502,803	515,342	531,944	532,032
Net value added	261,911	249,816	249,624	225,362	256,099	1,038,771	1,107,796	1,041,902	1,348,347	1,150,166
less: Factor payments	94,416	97,139	103,115	108,670	114,247	631,271	650,026	697,195	686,313	774,271
Employee compensation (total hired labor)	75,281	79,528	81,139	89,185	93,410	418,799	418,000	437,263	407,200	471,640
Net rent received by nonoperator landlords	-1,566	-1,783	-1,846	-1,184	-1,049	8,435	40,409	41,007	49,020	60,364
Real estate and nonreal estate interest	20,701	19,394	23,822	20,669	21,886	204,037	191,617	218,925	230,093	242,267
Net farm income	167,495	152,677	146,509	116,692	141,852	407,500	457,770	344,707	662,034	375,895

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Minnesota					Mississippi				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	3,246,653	1,826,402	4,034,990	3,715,810	4,756,530	1,277,000	944,765	1,413,173	1,302,886	1,634,334
Food grains	377,900	317,466	243,202	280,252	414,170	140,071	95,277	161,632	145,396	186,844
Feed crops	1,215,110	896,740	1,005,027	1,421,177	1,859,633	87,496	65,313	84,670	99,372	185,687
Cotton	0	0	0	0	0	687,302	508,091	570,961	798,336	726,425
Oil crops	949,269	858,573	991,898	1,348,037	1,661,467	302,048	302,090	266,984	303,415	328,010
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	11,701	9,659	9,840	10,379	11,196	6,820	6,740	9,121	8,460	4,205
Vegetables	216,008	167,718	231,727	219,880	274,573	41,763	39,573	44,695	42,574	41,657
All other crops	433,007	333,609	477,629	401,475	419,469	43,680	45,289	45,759	50,946	55,677
Home consumption	4,823	2,864	2,956	4,380	3,843	2,137	1,284	1,356	2,114	1,855
Value of inventory adjustment ²	38,835	-760,227	1,072,711	30,230	112,179	-34,317	-118,892	227,995	-147,727	103,974
Final animal output	3,643,322	3,739,605	3,540,792	3,534,738	4,086,629	1,382,937	1,588,060	1,698,261	1,712,548	1,923,434
Meat animals	1,837,179	1,992,194	1,707,807	1,715,400	2,057,005	229,535	271,695	266,963	192,049	188,026
Dairy products	1,250,305	1,226,240	1,194,086	1,181,688	1,362,180	106,500	103,600	102,950	96,585	105,616
Poultry and eggs	489,060	509,014	516,715	519,140	710,265	765,236	923,601	1,047,093	1,114,795	1,354,234
Miscellaneous livestock	29,621	27,576	29,394	32,015	38,973	231,031	269,165	289,044	282,338	286,403
Home consumption	21,475	19,497	17,266	16,689	16,961	6,049	6,285	5,036	4,734	3,567
Value of inventory adjustment ²	15,682	-34,916	75,524	69,806	-98,755	44,586	13,714	-12,825	22,047	-14,412
Services and forestry	573,735	597,387	637,957	667,784	708,140	296,249	353,695	374,320	416,164	435,966
Machine hire and customwork	76,808	76,529	86,687	67,207	97,355	14,083	14,083	20,136	11,187	11,808
Forest products sold	2,828	2,825	2,850	2,800	2,800	40,000	44,800	47,156	48,500	45,500
Other farm income	212,878	216,969	220,611	246,380	243,293	113,763	155,030	141,998	183,015	199,402
Gross imputed rental value of farm dwellings	281,221	301,064	327,809	351,397	364,692	128,403	139,782	165,030	173,462	179,256
Final agricultural sector output	7,463,710	6,163,394	8,213,739	7,918,332	9,551,299	2,956,186	2,886,520	3,485,754	3,431,598	3,993,734
less: Intermediate consumption outlays	4,087,493	4,411,226	4,774,131	4,699,677	4,821,856	1,807,576	2,024,580	2,178,362	2,164,176	2,341,027
Farm origin	1,585,727	1,656,138	1,767,198	1,773,831	1,839,889	628,391	756,494	822,236	787,974	814,152
Feed purchased	870,791	907,170	966,555	1,064,216	1,110,359	478,084	597,625	643,233	614,702	624,484
Livestock and poultry purchased	374,267	383,285	367,045	344,855	330,285	95,367	104,110	120,249	121,476	127,307
Seed purchased	340,669	365,683	433,598	364,760	399,245	54,940	54,759	58,754	51,796	62,361
Manufactured inputs	1,146,175	1,214,197	1,328,981	1,270,761	1,309,680	486,564	476,467	473,329	488,802	547,505
Fertilizers and lime	410,980	440,399	493,210	480,535	485,256	128,863	124,799	124,984	136,369	168,179
Pesticides	342,313	372,102	427,723	402,147	435,018	241,132	231,869	238,926	226,061	246,462
Petroleum fuel and oils	275,038	283,431	288,788	271,362	273,521	87,012	88,282	84,777	84,403	93,051
Electricity	117,844	118,265	119,260	116,717	115,885	29,557	31,517	24,642	41,969	39,813
Other intermediate expenses	1,355,591	1,540,891	1,677,952	1,655,085	1,672,287	692,620	791,619	882,797	887,400	979,371
Repair and maintenance of capital items	397,175	462,956	457,977	437,530	497,540	152,376	161,338	150,095	157,374	202,561
Machine hire and customwork	108,319	150,826	191,769	169,638	141,539	140,925	148,083	173,800	141,165	178,824
Marketing, storage, and transportation expenses	190,562	183,183	240,796	248,127	259,930	110,744	151,870	174,917	167,227	178,948
Contract labor	8,323	16,761	13,556	9,192	11,444	12,162	10,460	11,226	18,504	9,200
Miscellaneous expenses	651,212	727,165	773,854	790,598	761,834	276,413	319,868	372,759	403,130	409,838
plus: Net government transactions	137,339	531,346	308,526	142,759	21,344	235,090	331,872	169,710	71,467	125,098
+ Direct government payments	422,023	823,250	622,280	467,601	348,804	279,904	383,791	225,528	129,159	184,925
- Motor vehicle registration and licensing fees	16,878	13,855	14,606	15,556	15,244	3,992	4,414	3,286	4,235	4,774
- Property taxes	267,806	278,049	299,148	309,286	312,216	40,822	47,505	52,532	53,457	55,053
Gross value added	3,513,555	2,283,514	3,748,135	3,361,414	4,750,788	1,383,701	1,193,812	1,477,103	1,338,890	1,777,804
less: Capital consumption	975,127	974,666	975,328	985,712	981,871	248,641	255,017	263,529	274,079	280,302
Net value added	2,538,428	1,308,848	2,772,807	2,375,702	3,768,917	1,135,060	938,795	1,213,574	1,064,811	1,497,502
less: Factor payments	1,185,952	1,212,484	1,293,812	1,317,710	1,525,994	545,566	565,705	543,577	488,523	533,830
Employee compensation (total hired labor)	344,287	343,630	359,466	334,752	387,727	176,809	189,317	171,658	149,731	170,963
Net rent received by nonoperator landlords	324,949	352,555	342,625	313,178	442,279	166,989	172,764	166,329	137,260	147,311
Real estate and nonreal estate interest	516,716	516,299	591,721	669,780	695,988	201,768	203,624	205,590	201,532	215,556
Net farm income	1,352,476	96,364	1,478,995	1,057,992	2,242,923	589,494	373,090	669,997	576,288	963,672

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Missouri					Montana				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	2,221,024	1,580,310	2,318,620	1,827,284	2,922,547	802,093	1,026,360	898,327	1,179,414	1,155,185
Food grains	224,415	163,984	199,215	235,297	252,094	480,123	561,062	705,597	726,894	860,646
Feed crops	679,948	648,150	670,026	595,490	871,053	291,872	195,430	206,450	236,828	250,170
Cotton	157,282	123,857	216,360	204,278	224,716	0	0	0	0	0
Oil crops	860,933	764,353	862,132	896,724	996,276	5,013	6,463	8,452	9,919	8,205
Tobacco	7,226	6,337	13,283	9,310	12,078	0	0	0	0	0
Fruits and tree nuts	12,778	14,490	12,625	13,868	11,339	481	312	920	1,067	1,044
Vegetables	20,907	20,708	25,221	26,355	23,232	18,647	23,356	26,045	24,237	29,601
All other crops	98,911	94,626	99,363	106,010	109,488	73,413	70,301	81,490	74,932	80,633
Home consumption	5,864	3,489	3,652	5,286	4,638	1,332	783	783	1,108	972
Value of inventory adjustment ²	152,760	-259,684	216,743	-265,334	417,633	-68,788	168,653	-131,410	104,429	-76,086
Final animal output	2,256,768	2,433,020	2,366,641	2,331,637	2,417,820	874,964	991,822	973,693	831,425	769,987
Meat animals	1,332,949	1,399,784	1,516,932	1,287,019	1,281,536	838,865	883,758	786,141	727,155	721,632
Dairy products	378,430	356,864	352,176	343,850	362,400	41,695	39,026	40,478	40,299	44,688
Poultry and eggs	424,296	489,375	559,229	614,637	769,077	6,657	6,864	4,814	5,298	6,228
Miscellaneous livestock	29,643	29,534	35,013	39,524	37,132	24,033	19,669	24,227	23,499	24,379
Home consumption	25,482	24,002	22,034	18,898	15,935	9,326	9,074	10,152	8,071	7,748
Value of inventory adjustment ²	65,968	133,461	-118,743	27,709	-48,260	-45,612	33,431	107,881	27,103	-34,688
Services and forestry	416,107	454,093	503,872	562,253	581,346	178,107	202,276	219,152	239,975	266,956
Machine hire and customwork	52,917	52,746	53,990	65,170	46,915	33,496	34,896	37,364	36,349	35,246
Forest products sold	6,200	6,200	6,200	6,100	6,000	3,300	3,450	3,600	3,600	3,600
Other farm income	85,506	97,096	93,491	112,596	131,251	45,305	55,145	48,023	58,582	81,415
Gross imputed rental value of farm dwellings	271,484	298,051	350,191	378,387	397,180	96,006	108,785	130,165	141,444	146,695
Final agricultural sector output	4,893,899	4,467,423	5,189,133	4,721,174	5,921,713	1,855,164	2,220,458	2,091,172	2,250,814	2,192,128
less: Intermediate consumption outlays	2,645,608	2,784,002	2,949,987	2,934,661	3,116,834	834,531	895,449	1,046,825	1,051,055	1,109,438
Farm origin	1,078,553	1,145,646	1,234,386	1,190,912	1,252,406	190,120	205,976	225,026	215,884	233,707
Feed purchased	828,928	867,766	943,658	895,521	915,360	94,429	97,036	116,819	127,330	132,959
Livestock and poultry purchased	100,216	119,436	134,413	140,834	161,957	64,464	75,585	69,081	51,140	59,544
Seed purchased	149,409	158,444	156,315	154,557	175,089	31,227	33,355	39,126	37,414	41,204
Manufactured inputs	735,802	754,173	767,237	802,684	879,386	234,414	239,677	282,817	300,634	334,158
Fertilizers and lime	332,105	334,085	336,702	364,536	409,981	68,755	73,491	92,058	102,863	113,371
Pesticides	191,071	196,932	221,157	233,668	271,667	47,446	52,256	61,095	64,252	70,120
Petroleum fuel and oils	161,171	164,644	159,697	153,904	148,122	86,700	84,136	92,080	92,576	103,127
Electricity	51,455	58,512	49,681	50,576	49,616	31,513	29,794	37,584	40,943	47,540
Other intermediate expenses	831,253	884,183	948,364	941,065	985,041	409,997	449,796	538,982	534,537	541,573
Repair and maintenance of capital items	324,058	330,299	324,236	354,027	370,012	143,237	142,267	161,305	157,892	169,610
Machine hire and customwork	92,688	100,829	114,431	109,307	115,839	45,179	48,411	49,892	61,835	43,133
Marketing, storage, and transportation expenses	63,988	68,962	87,066	71,136	81,102	29,696	48,995	57,072	56,166	51,712
Contract labor	12,695	9,447	10,962	9,554	15,492	7,511	7,681	7,030	10,477	12,656
Miscellaneous expenses	337,824	374,646	411,669	397,041	402,596	184,374	202,442	263,683	248,167	264,462
plus: Net government transactions	159,087	317,891	123,129	107,737	143,351	199,376	230,653	132,410	59,370	105,416
+ Direct government payments	293,645	455,364	267,404	255,972	289,279	298,773	338,008	256,143	189,801	240,874
- Motor vehicle registration and licensing fees	18,133	17,708	18,873	21,747	18,667	8,986	10,547	13,062	10,518	12,141
- Property taxes	116,425	119,765	125,402	126,488	127,261	90,411	96,808	110,671	119,913	123,317
Gross value added	2,407,378	2,001,312	2,362,275	1,894,250	2,948,230	1,220,009	1,555,662	1,176,757	1,259,129	1,188,106
less: Capital consumption	671,192	680,622	697,034	706,237	708,531	281,784	283,655	288,338	288,968	288,036
Net value added	1,736,186	1,320,690	1,665,241	1,188,013	2,239,699	938,225	1,272,007	888,419	970,161	900,070
less: Factor payments	926,447	872,068	871,855	882,345	1,045,127	411,095	422,053	476,011	556,996	565,172
Employee compensation (total hired labor)	200,186	214,068	203,479	196,294	191,147	81,565	100,510	131,521	137,683	135,822
Net rent received by nonoperator landlords	344,460	285,406	285,653	257,512	400,748	135,539	141,797	144,147	207,108	216,182
Real estate and nonreal estate interest	381,801	372,594	382,723	428,539	453,232	193,991	179,746	200,343	212,205	213,168
Net farm income	809,739	448,622	793,386	305,668	1,194,572	527,130	849,954	412,408	413,165	334,898

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Nebraska					Nevada				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	3,244,869	2,464,663	3,723,753	3,321,441	4,859,219	67,007	114,874	118,661	123,196	138,127
Food grains	178,359	214,050	236,438	337,056	339,176	2,348	2,450	2,445	3,296	6,174
Feed crops	2,149,396	2,073,086	2,015,290	2,512,961	2,781,907	39,894	56,767	65,363	67,035	67,669
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	503,859	546,367	638,408	706,292	834,649	4	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	1,950	1,800	1,300	1,300	1,300	77	86	77	73	85
Vegetables	70,096	75,809	100,252	108,573	125,741	19,221	33,842	36,163	32,427	42,123
All other crops	105,925	114,086	119,396	96,398	94,007	11,534	9,441	13,000	15,665	16,515
Home consumption	1,809	1,070	1,113	1,611	1,414	137	79	83	126	110
Value of inventory adjustment ²	233,475	-561,605	611,556	-442,750	681,025	-6,208	12,209	1,530	4,574	5,451
Final animal output	5,758,404	6,000,266	5,323,577	5,375,243	5,355,568	182,950	187,639	198,540	163,637	164,763
Meat animals	5,407,511	5,567,711	5,135,540	4,907,775	4,949,586	147,147	146,284	134,688	109,215	86,911
Dairy products	150,570	136,250	138,240	133,125	147,600	43,152	42,189	50,750	50,520	62,310
Poultry and eggs	74,792	99,989	89,561	107,080	136,149	50	39	52	55	56
Miscellaneous livestock	42,804	42,347	41,374	42,540	43,926	3,992	3,708	4,143	3,795	4,159
Home consumption	9,911	9,574	9,263	9,063	9,215	1,823	1,901	1,871	1,529	1,339
Value of inventory adjustment ²	72,816	144,395	-90,401	175,660	69,092	-13,214	(6,482)	7,036	-1,477	9,988
Services and forestry	425,176	480,743	523,358	569,772	645,368	38,284	41,016	45,020	51,173	56,811
Machine hire and customwork	80,616	85,289	129,614	103,654	129,833	4,710	4,907	5,254	5,111	4,956
Forest products sold	2,650	2,550	2,000	2,000	2,000	88	250	100	100	100
Other farm income	205,335	242,802	212,199	269,874	310,433	6,766	7,248	6,200	7,265	9,337
Gross imputed rental value of farm dwellings	136,575	150,102	179,545	194,244	203,102	26,720	28,611	33,466	38,697	42,418
Final agricultural sector output	9,428,449	8,945,672	9,570,688	9,266,456	10,860,155	288,241	343,529	362,221	338,006	359,701
less: Intermediate consumption outlays	5,149,798	5,500,500	5,200,160	5,321,825	5,293,234	141,687	155,654	188,682	177,143	186,903
Farm origin	3,170,509	3,425,047	2,962,071	2,921,630	2,720,114	49,092	57,062	69,793	56,555	62,403
Feed purchased	739,593	778,900	790,666	768,265	793,577	32,602	29,900	34,812	38,218	43,515
Livestock and poultry purchased	2,239,843	2,444,691	1,953,123	1,931,293	1,673,352	13,009	23,444	30,619	14,166	14,295
Seed purchased	191,073	201,456	218,282	222,072	253,185	3,481	3,718	4,362	4,171	4,593
Manufactured inputs	885,179	868,421	972,165	1,039,228	1,178,080	32,595	32,220	39,437	41,584	46,867
Fertilizers and lime	323,923	319,520	385,490	427,429	498,942	5,587	5,843	8,269	8,781	9,679
Pesticides	214,653	217,262	242,074	271,021	304,421	3,283	3,615	4,227	4,445	4,851
Petroleum fuel and oils	244,620	230,530	232,367	241,679	265,082	11,499	11,203	12,359	12,473	13,893
Electricity	101,983	101,119	112,234	99,099	109,635	12,226	11,559	14,582	15,885	18,444
Other intermediate expenses	1,094,110	1,207,022	1,265,924	1,360,967	1,395,040	60,000	66,372	79,452	79,004	77,631
Repair and maintenance of capital items	330,229	367,524	372,780	376,147	434,543	16,870	15,449	18,750	18,688	20,856
Machine hire and customwork	121,540	147,359	167,131	178,662	155,401	6,984	7,484	7,713	9,559	6,668
Marketing, storage, and transportation expenses	79,726	81,793	85,166	101,936	98,818	4,459	7,997	9,287	8,472	7,296
Contract labor	8,511	10,629	6,307	12,178	7,481	1,809	1,850	1,693	2,524	3,049
Miscellaneous expenses	554,104	599,717	634,540	692,044	698,797	29,878	33,592	42,009	39,761	39,764
plus: Net government transactions	60,386	406,449	-69,784	69,561	-49,528	943	-4,077	-8,038	-9,372	-11,542
+ Direct government payments	478,729	806,273	348,246	507,303	388,819	11,244	7,013	4,784	4,265	2,605
- Motor vehicle registration and licensing fees	11,282	11,510	12,104	16,080	13,171	751	864	1,132	971	1,121
- Property taxes	407,061	388,314	405,926	421,662	425,176	9,550	10,226	11,690	12,666	13,026
Gross value added	4,339,037	3,851,621	4,300,744	4,014,192	5,517,393	147,497	183,798	165,501	151,491	161,256
less: Capital consumption	628,323	630,930	646,749	654,806	651,903	39,580	38,669	39,960	42,739	44,217
Net value added	3,710,714	3,220,691	3,653,995	3,359,386	4,865,490	107,917	145,129	125,541	108,752	117,039
less: Factor payments	1,217,934	1,296,621	1,438,972	1,557,841	1,790,026	44,047	47,129	58,094	61,167	60,930
Employee compensation (total hired labor)	200,997	213,700	247,735	243,253	267,332	23,986	29,557	38,678	40,489	39,942
Net rent received by nonoperator landlords	486,169	512,616	569,902	619,215	809,349	748	356	806	1,491	1,524
Real estate and nonreal estate interest	530,768	570,305	621,335	695,373	713,345	19,313	17,216	18,610	19,187	19,464
Net farm income	2,492,780	1,924,071	2,215,023	1,801,545	3,075,464	63,870	98,000	67,447	47,585	56,109

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	New Hampshire					New Jersey				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	83,822	79,951	87,381	84,903	86,658	459,924	496,033	595,477	570,869	613,678
Food grains	0	0	0	0	0	4,589	4,455	4,721	7,512	8,087
Feed crops	3,899	3,894	3,849	3,884	3,317	19,550	17,797	17,584	19,972	24,969
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	0	0	0	0	0	22,217	24,377	25,411	19,624	23,118
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	12,743	11,910	12,480	11,489	11,728	80,720	83,200	84,760	88,913	102,056
Vegetables	17,104	19,847	20,742	20,779	22,016	139,699	160,236	194,975	177,096	185,096
All other crops	46,830	47,156	48,382	49,839	51,544	186,613	213,753	262,105	263,927	262,069
Home consumption	148	82	83	116	102	493	293	310	453	398
Value of inventory adjustment ²	3,098	-2,938	1,845	-1,204	-2,049	6,043	-8,078	5,611	-6,628	7,886
Final animal output	70,904	65,918	64,121	62,197	69,794	194,013	193,451	181,363	200,465	195,141
Meat animals	6,868	9,468	7,498	6,716	7,243	17,383	18,926	13,640	11,122	10,195
Dairy products	46,248	43,840	43,120	43,470	49,764	48,576	48,465	44,850	42,028	44,829
Poultry and eggs	9,015	7,234	7,362	7,568	9,571	32,670	36,598	29,886	26,669	31,172
Miscellaneous livestock	5,399	5,464	5,522	5,627	5,724	93,576	93,320	92,283	116,353	109,367
Home consumption	1,206	1,268	1,407	1,208	747	1,036	856	815	879	826
Value of inventory adjustment ²	2,168	-1,356	-788	-2,392	-3,255	772	-4,714	-111	3,414	-1,248
Services and forestry	23,820	24,494	25,582	25,510	25,484	99,524	109,955	122,148	131,193	126,856
Machine hire and customwork	780	800	843	864	844	3,792	3,893	4,098	4,203	4,102
Forest products sold	3,110	3,100	3,140	3,230	3,444	20,340	26,246	27,820	33,253	30,582
Other farm income	3,478	3,487	3,599	3,623	2,564	12,878	12,949	13,354	13,529	9,741
Gross imputed rental value of farm dwellings	16,452	17,107	18,000	17,793	18,632	62,514	66,867	76,876	80,208	82,431
Final agricultural sector output	178,546	170,363	177,084	172,610	181,936	753,461	799,439	898,988	902,527	935,675
less: Intermediate consumption outlays	63,899	64,930	68,942	71,786	72,494	293,041	301,221	340,436	354,272	343,094
Farm origin	21,603	21,956	20,171	22,353	24,262	69,761	69,772	71,608	78,622	80,581
Feed purchased	17,361	17,705	15,408	17,001	18,099	31,650	30,522	30,522	32,132	32,362
Livestock and poultry purchased	589	585	576	489	545	5,584	4,316	3,804	3,191	2,196
Seed purchased	3,653	3,666	4,187	4,863	5,618	32,527	32,645	37,282	43,299	50,023
Manufactured inputs	11,691	11,621	12,287	13,542	13,325	78,404	76,254	83,661	93,022	90,087
Fertilizers and lime	3,292	3,084	3,331	3,689	3,592	28,728	26,752	30,033	33,077	32,127
Pesticides	1,566	1,460	1,760	2,031	1,786	19,623	18,297	22,064	25,458	22,387
Petroleum fuel and oils	3,809	3,912	3,901	4,313	4,612	20,573	21,285	21,237	23,487	25,120
Electricity	3,024	3,165	3,295	3,509	3,335	9,480	9,920	10,327	11,000	10,453
Other intermediate expenses	30,605	31,353	36,484	35,891	34,907	144,876	155,195	185,167	182,628	172,426
Repair and maintenance of capital items	11,155	10,611	10,719	9,604	10,116	49,586	50,330	53,411	48,948	48,588
Machine hire and customwork	809	978	1,309	1,729	1,266	5,585	6,747	9,032	11,935	8,738
Marketing, storage, and transportation expenses	4,885	5,931	7,818	7,834	6,919	21,292	27,944	40,425	40,551	34,443
Contract labor	421	443	592	493	730	4,306	4,532	6,060	5,043	7,470
Miscellaneous expenses	13,335	13,390	16,046	16,231	15,876	64,107	65,642	76,239	76,151	73,187
plus: Net government transactions	-10,984	-10,737	-12,198	-12,383	-12,684	-34,002	-37,976	-41,319	-43,141	-46,078
+ Direct government payments	1,550	1,942	1,475	1,183	1,093	10,695	7,298	7,596	5,492	3,258
- Motor vehicle registration and licensing fees	305	233	389	420	388	1,078	879	1,531	1,743	1,579
- Property taxes	12,229	12,446	13,284	13,146	13,389	43,619	44,395	47,384	46,890	47,757
Gross value added	103,663	94,696	95,945	88,441	96,758	426,418	460,242	517,232	505,114	546,503
less: Capital consumption	22,761	21,650	21,102	20,610	21,043	91,521	91,301	93,326	94,616	95,053
Net value added	80,902	73,046	74,843	67,831	75,715	334,897	368,941	423,906	410,498	451,450
less: Factor payments	26,130	26,368	28,221	30,694	32,413	152,194	161,572	169,097	183,560	190,853
Employee compensation (total hired labor)	21,027	22,212	22,663	24,910	26,090	112,100	118,422	120,821	132,804	139,094
Net rent received by nonoperator landlords	86	-426	-371	34	238	12,675	13,670	14,130	20,040	19,338
Real estate and nonreal estate interest	5,017	4,582	5,929	5,750	6,085	27,419	29,480	34,146	30,716	32,421
Net farm income	54,772	46,678	46,622	37,137	43,302	182,703	207,370	254,810	226,938	260,597

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	New Mexico					New York				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	480,383	458,060	483,046	492,975	531,202	929,204	958,217	1,042,883	963,960	1,002,478
Food grains	32,741	21,588	18,308	14,919	18,195	17,982	12,894	18,978	26,825	29,277
Feed crops	143,977	168,024	181,346	170,949	208,495	147,382	144,898	155,880	166,698	201,491
Cotton	24,690	36,799	36,480	34,385	43,458	0	0	0	0	0
Oil crops	19,178	19,294	16,481	14,253	10,014	8,124	11,699	14,281	15,121	18,250
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	53,275	24,897	34,252	58,234	19,350	193,801	169,773	178,266	191,970	208,603
Vegetables	157,135	149,137	140,496	152,794	159,040	268,195	337,033	327,840	313,991	261,412
All other crops	52,677	47,851	54,499	52,100	53,015	305,940	293,751	295,206	291,796	279,454
Home consumption	740	444	470	680	596	2,083	1,234	1,252	1,812	1,590
Value of inventory adjustment ²	-4,030	-9,974	714	-5,339	19,038	-14,303	-13,065	51,180	-44,253	2,401
Final animal output	1,029,214	1,131,804	1,164,653	972,815	1,182,714	1,916,379	1,892,053	1,860,214	1,878,931	2,068,912
Meat animals	723,796	779,797	676,609	498,755	640,495	209,179	254,407	228,402	160,983	115,476
Dairy products	269,554	310,767	393,882	430,803	523,279	1,527,273	1,463,554	1,495,702	1,487,695	1,693,251
Poultry and eggs	14,716	16,769	15,127	13,439	17,274	82,280	90,799	89,844	91,601	101,213
Miscellaneous livestock	17,106	15,996	15,926	17,599	16,441	89,567	92,328	74,395	112,159	134,607
Home consumption	7,746	5,976	5,593	5,300	3,961	8,812	8,162	6,282	4,506	3,344
Value of inventory adjustment ²	-3,704	2,499	57,516	6,919	-18,736	-732	-17,197	-34,411	21,987	21,021
Services and forestry	87,903	95,309	102,271	116,457	130,130	223,727	240,057	258,922	257,737	240,507
Machine hire and customwork	13,268	13,822	14,799	14,397	13,961	17,705	18,172	19,130	19,620	19,152
Forest products sold	5,000	5,000	5,000	5,000	5,000	7,630	9,190	9,450	8,980	9,160
Other farm income	21,494	26,073	24,227	28,275	35,824	63,815	64,004	65,721	66,777	68,772
Gross imputed rental value of farm dwellings	48,141	50,414	58,245	68,785	75,345	134,577	148,691	164,621	162,360	163,423
Final agricultural sector output	1,597,500	1,685,173	1,749,970	1,582,247	1,844,046	3,069,310	3,090,327	3,162,019	3,100,628	3,311,896
less: Intermediate consumption outlays	834,496	908,175	1,023,569	906,404	1,110,878	1,455,186	1,463,474	1,587,724	1,680,591	1,671,774
Farm origin	504,827	541,428	574,646	469,406	639,008	531,817	523,281	508,739	557,923	604,912
Feed purchased	145,396	169,605	231,711	258,694	309,005	438,356	431,550	411,925	447,270	478,799
Livestock and poultry purchased	342,419	353,652	321,621	190,330	307,556	21,906	19,917	14,800	15,402	16,069
Seed purchased	17,012	18,171	21,314	20,382	22,447	71,555	71,814	82,014	95,251	110,044
Manufactured inputs	100,397	101,710	123,501	129,117	144,475	334,358	319,699	346,610	383,653	373,311
Fertilizers and lime	23,571	25,762	34,882	37,049	40,833	106,072	90,264	100,824	110,710	107,675
Pesticides	12,549	13,821	16,158	16,993	18,545	68,977	64,318	77,557	89,489	78,693
Petroleum fuel and oils	40,264	39,424	43,822	43,877	48,872	92,355	95,054	95,294	105,767	113,119
Electricity	24,013	22,703	28,639	31,198	36,225	66,954	70,063	72,935	77,687	73,824
Other intermediate expenses	229,272	265,037	325,422	307,881	327,395	589,011	620,494	732,375	739,015	693,551
Repair and maintenance of capital items	56,142	56,071	64,859	64,015	70,342	184,882	185,772	194,823	184,321	182,272
Machine hire and customwork	23,743	27,543	26,983	32,858	25,352	27,768	33,549	44,906	59,341	43,447
Marketing, storage, and transportation expenses	25,161	43,154	47,951	43,796	43,596	93,984	114,430	151,095	149,931	130,859
Contract labor	16,066	16,431	15,039	22,411	27,073	6,824	7,181	9,602	7,991	11,837
Miscellaneous expenses	108,160	121,838	170,590	144,801	161,032	275,553	279,562	331,949	337,431	325,136
plus: Net government transactions	39,797	54,122	34,896	28,091	30,676	-146,994	-125,015	-170,663	-168,317	-171,399
+ Direct government payments	60,267	76,442	61,042	55,134	59,000	47,872	72,286	42,417	43,481	43,289
- Motor vehicle registration and licensing fees	3,153	3,778	4,949	4,076	4,705	5,070	4,128	6,900	7,768	6,885
- Property taxes	17,317	18,542	21,197	22,967	23,619	189,796	193,173	206,180	204,030	207,803
Gross value added	802,801	831,120	761,297	703,934	763,843	1,467,130	1,501,839	1,403,632	1,251,721	1,468,723
less: Capital consumption	91,956	91,547	94,460	97,810	100,299	423,332	430,624	426,899	420,001	413,758
Net value added	710,845	739,573	666,837	606,124	663,544	1,043,798	1,071,215	976,733	831,720	1,054,965
less: Factor payments	209,640	226,076	273,266	299,309	300,188	480,750	480,936	514,485	558,897	592,478
Employee compensation (total hired labor)	87,628	107,982	141,299	147,917	145,918	327,516	345,990	352,998	388,005	406,386
Net rent received by nonoperator landlords	41,312	37,399	43,222	55,041	57,798	-4,198	-8,546	-9,916	-926	4,370
Real estate and nonreal estate interest	80,700	80,695	88,745	96,351	96,472	157,432	143,492	171,403	171,818	181,722
Net farm income	501,205	513,497	393,571	306,815	363,356	563,048	590,279	462,248	272,823	462,487

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	North Carolina					North Dakota				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	2,753,146	2,769,055	3,291,332	2,991,425	3,468,885	2,531,859	1,981,142	2,632,177	2,417,443	3,275,006
Food grains	82,660	70,069	93,660	108,956	124,012	1,181,820	1,464,870	1,263,512	1,431,235	1,607,752
Feed crops	195,300	152,769	165,258	184,913	269,470	379,999	315,358	360,094	388,645	490,025
Cotton	144,133	132,762	261,992	278,443	343,232	0	0	0	0	0
Oil crops	329,831	290,471	351,328	248,783	312,896	288,732	219,899	330,149	339,783	409,689
Tobacco	1,049,524	1,029,927	942,931	1,048,523	1,021,487	0	0	0	0	0
Fruits and tree nuts	41,291	46,332	57,410	58,841	48,351	100	100	100	100	190
Vegetables	197,421	253,758	294,753	281,184	286,906	197,466	183,011	230,829	218,588	282,764
All other crops	737,160	875,045	946,509	954,917	997,632	191,510	165,772	218,298	195,548	205,196
Home consumption	3,069	1,810	1,913	2,819	2,474	3,288	1,942	2,017	2,920	2,562
Value of inventory adjustment ²	-27,243	-83,888	175,578	-175,954	62,425	288,944	-369,810	227,178	-159,376	276,828
Final animal output	2,877,795	3,295,770	3,474,691	3,842,954	4,514,458	655,897	717,831	636,350	574,295	523,592
Meat animals	899,858	1,102,652	1,150,013	1,421,757	1,903,037	493,219	455,662	476,079	411,188	360,836
Dairy products	218,854	211,248	210,532	189,750	211,756	118,080	107,400	102,480	96,524	107,545
Poultry and eggs	1,612,303	1,822,114	1,911,483	2,053,936	2,249,917	10,953	10,805	11,716	15,750	23,204
Miscellaneous livestock	53,182	53,949	56,942	60,587	62,613	27,754	26,540	34,320	43,780	45,192
Home consumption	12,727	12,934	12,028	11,512	10,621	7,078	6,302	5,664	4,839	4,173
Value of inventory adjustment ²	80,871	92,873	133,693	105,412	76,514	-1,187	111,122	6,091	2,214	-17,358
Services and forestry	863,707	919,173	1,049,575	1,269,937	1,380,831	192,070	228,026	234,922	262,993	300,366
Machine hire and customwork	20,752	22,625	18,322	22,332	23,913	34,501	36,502	55,471	44,361	55,565
Forest products sold	498,824	538,312	650,000	830,000	900,000	412	800	811	800	1,850
Other farm income	136,323	143,423	152,134	177,048	196,076	89,204	115,602	90,714	124,962	147,468
Gross imputed rental value of farm dwellings	207,808	214,813	229,119	240,557	260,842	67,953	75,122	87,926	92,870	95,483
Final agricultural sector output	6,494,648	6,983,998	7,815,598	8,104,316	9,364,174	3,379,826	2,926,999	3,503,449	3,254,731	4,098,963
less: Intermediate consumption outlays	2,504,457	2,767,268	3,014,258	3,415,625	3,923,532	1,338,094	1,421,132	1,515,975	1,580,478	1,719,285
Farm origin	1,188,862	1,321,636	1,542,802	1,780,278	2,153,527	238,280	255,039	249,541	225,233	243,594
Feed purchased	871,453	991,186	1,215,926	1,436,071	1,814,320	74,408	80,503	77,444	65,741	69,028
Livestock and poultry purchased	227,209	236,637	236,180	236,860	230,656	57,423	62,302	50,489	35,773	33,514
Seed purchased	90,200	93,813	90,696	107,347	108,551	106,449	112,234	121,608	123,719	141,052
Manufactured inputs	563,291	587,717	567,203	640,161	682,449	549,740	562,082	615,597	678,552	769,815
Fertilizers and lime	205,029	207,568	207,053	241,671	257,934	188,363	205,324	235,695	274,820	320,941
Pesticides	147,876	157,578	148,566	161,150	178,604	171,565	173,650	193,481	216,618	243,313
Petroleum fuel and oils	149,565	145,932	151,398	165,220	169,153	153,975	147,574	146,981	152,290	167,035
Electricity	60,821	76,639	60,186	72,120	76,758	35,837	35,534	39,440	34,824	38,526
Other intermediate expenses	752,304	857,915	904,253	995,186	1,087,556	550,074	604,011	650,837	676,693	705,876
Repair and maintenance of capital items	129,622	164,664	146,782	151,319	154,517	221,897	246,761	244,212	245,403	276,119
Machine hire and customwork	61,245	66,996	83,433	78,711	99,564	75,436	91,460	103,732	110,889	96,452
Marketing, storage, and transportation expenses	179,775	179,300	197,898	251,085	257,349	26,525	27,193	30,279	35,764	36,922
Contract labor	38,862	33,745	51,251	40,404	48,310	4,347	5,429	3,221	6,220	3,821
Miscellaneous expenses	342,800	413,210	424,889	473,667	527,816	221,869	233,168	269,393	278,417	292,562
plus: Net government transactions	-32,049	32,336	-23,941	-75,843	-43,602	284,241	412,366	298,334	128,750	185,104
+ Direct government payments	74,805	132,448	77,618	40,151	75,702	443,156	564,531	457,317	296,215	351,520
- Motor vehicle registration and licensing fees	5,254	6,806	5,240	6,750	6,844	8,229	8,419	8,718	11,374	9,025
- Property taxes	101,600	93,306	96,319	109,244	112,460	150,686	143,746	150,265	156,091	157,391
Gross value added	3,958,142	4,249,066	4,777,399	4,612,849	5,397,040	2,325,973	1,918,233	2,285,808	1,803,002	2,564,782
less: Capital consumption	408,262	403,754	399,630	404,984	412,869	491,734	495,399	502,289	501,732	491,650
Net value added	3,549,880	3,845,312	4,377,769	4,207,865	4,984,171	1,834,239	1,422,834	1,783,519	1,301,270	2,073,132
less: Factor payments	1,127,097	1,187,769	1,304,135	1,527,533	1,610,163	840,689	867,722	947,431	960,745	1,109,084
Employee compensation (total hired labor)	337,946	362,496	348,762	365,430	371,247	78,925	83,914	97,278	95,518	104,974
Net rent received by nonoperator landlords	584,711	629,392	717,657	890,830	964,499	489,132	522,659	563,620	543,937	671,884
Real estate and nonreal estate interest	204,440	195,881	237,716	271,273	274,417	272,632	261,149	286,533	321,290	332,226
Net farm income	2,422,783	2,657,543	3,073,634	2,680,332	3,374,008	993,550	555,112	836,088	340,525	964,049

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Ohio					Oklahoma				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	2,863,599	2,563,296	3,060,083	2,935,840	3,031,180	1,173,091	1,098,591	1,191,754	1,035,782	1,179,914
Food grains	181,530	145,873	202,811	295,836	210,940	457,291	454,659	477,391	421,851	400,616
Feed crops	831,358	1,023,422	897,236	988,563	1,024,953	132,970	136,976	143,067	147,891	231,077
Cotton	0	0	0	0	0	68,692	82,130	100,090	55,080	55,062
Oil crops	791,663	885,941	998,995	1,054,521	1,126,550	108,203	98,234	126,576	100,728	103,920
Tobacco	42,169	38,913	32,943	31,740	34,341	0	0	0	0	0
Fruits and tree nuts	36,868	26,609	31,914	36,758	37,865	16,289	17,494	21,418	32,015	7,125
Vegetables	133,670	159,409	148,044	128,529	148,254	41,113	47,296	47,066	48,122	44,929
All other crops	542,661	554,376	559,248	558,099	593,882	294,275	300,220	284,579	285,597	283,521
Home consumption	4,275	2,502	2,609	3,725	3,269	3,891	2,321	2,435	3,574	3,136
Value of inventory adjustment ²	299,405	-273,749	186,283	-161,931	-148,873	50,367	-40,739	-10,868	-59,076	50,528
Final animal output	1,563,739	1,640,517	1,612,791	1,639,033	1,898,629	2,481,029	2,773,033	3,014,628	2,566,175	2,438,425
Meat animals	609,392	707,214	570,070	558,844	701,687	1,994,514	2,237,157	2,087,679	1,956,634	1,772,386
Dairy products	625,110	596,050	596,505	598,670	651,000	166,455	166,562	167,580	168,350	195,622
Poultry and eggs	284,308	321,570	373,068	407,621	565,337	302,184	350,207	400,785	403,565	428,419
Miscellaneous livestock	34,654	26,763	23,949	24,321	26,974	54,822	54,097	43,363	43,437	42,874
Home consumption	22,327	13,750	19,211	18,378	20,491	16,355	18,004	16,758	14,126	12,086
Value of inventory adjustment ²	-12,052	-24,830	29,988	31,199	-66,860	-53,301	-52,994	298,463	-19,937	-12,962
Services and forestry	552,349	597,440	666,512	725,059	739,663	339,374	360,430	399,547	427,086	442,955
Machine hire and customwork	48,269	48,113	49,248	59,446	42,794	43,024	43,098	44,848	46,671	44,799
Forest products sold	168,175	178,175	188,175	188,175	186,729	2,000	2,000	2,000	2,000	2,000
Other farm income	55,330	63,050	60,165	71,661	78,595	101,023	103,082	107,999	127,278	141,988
Gross imputed rental value of farm dwellings	280,575	308,102	368,924	405,777	431,545	193,327	212,250	244,700	251,137	254,168
Final agricultural sector output	4,979,687	4,801,253	5,339,386	5,299,932	5,669,473	3,993,494	4,232,054	4,605,929	4,029,043	4,061,294
less: Intermediate consumption outlays	2,257,116	2,373,609	2,452,082	2,451,839	2,599,354	2,282,869	2,413,196	2,663,103	2,605,502	2,610,555
Farm origin	831,261	857,683	873,827	824,290	863,464	1,153,583	1,212,420	1,463,869	1,276,374	1,258,442
Feed purchased	571,198	575,318	614,298	558,027	553,676	454,694	499,297	453,771	499,297	637,381
Livestock and poultry purchased	53,753	63,578	43,683	52,844	68,018	649,021	709,511	914,218	585,340	536,982
Seed purchased	206,310	218,787	215,846	213,419	241,770	49,868	49,138	50,354	53,653	58,080
Manufactured inputs	734,993	770,958	802,589	843,818	928,220	382,247	383,430	399,672	461,008	496,405
Fertilizers and lime	322,409	340,838	361,163	393,211	441,433	152,540	146,939	162,831	188,514	198,044
Pesticides	212,900	219,432	246,424	260,365	302,705	64,077	62,212	63,400	74,297	82,239
Petroleum fuel and oils	146,026	149,670	143,194	137,500	132,342	131,030	138,055	139,344	153,745	166,127
Electricity	53,658	61,018	51,808	52,742	51,740	34,600	36,224	34,097	44,452	49,995
Other intermediate expenses	690,862	744,968	775,666	783,731	807,670	747,039	817,346	799,562	868,120	855,708
Repair and maintenance of capital items	295,683	296,627	297,010	322,499	335,854	198,185	205,866	182,323	230,028	253,650
Machine hire and customwork	48,468	56,775	60,348	58,515	58,733	105,459	126,669	104,991	97,852	86,991
Marketing, storage, and transportation expenses	62,257	75,236	84,646	76,198	83,909	81,781	136,136	128,877	156,515	100,810
Contract labor	9,853	7,333	8,509	7,416	12,024	31,436	23,249	20,044	14,883	19,808
Miscellaneous expenses	274,601	308,997	325,153	319,103	317,150	330,178	325,426	363,327	368,842	394,449
plus: Net government transactions	-2,237	93,036	-63,585	-16,585	-19,469	156,707	226,943	92,579	48,030	113,692
+ Direct government payments	166,122	265,374	117,041	167,236	163,120	248,322	323,949	207,003	164,621	236,707
- Motor vehicle registration and licensing fees	12,465	11,972	12,712	14,453	12,186	12,373	9,877	12,205	11,576	14,925
- Property taxes	155,894	160,366	167,914	169,368	170,403	79,242	87,129	102,219	105,015	108,090
Gross value added	2,720,334	2,520,680	2,823,718	2,831,508	3,050,649	1,867,332	2,045,801	2,035,405	1,471,571	1,564,431
less: Capital consumption	702,917	704,349	723,090	737,196	736,957	399,987	404,727	415,464	418,392	420,258
Net value added	2,017,417	1,816,331	2,100,628	2,094,312	2,313,692	1,467,345	1,641,074	1,619,941	1,053,179	1,144,173
less: Factor payments	964,479	991,743	928,714	994,362	985,975	513,495	510,435	526,073	565,285	592,777
Employee compensation (total hired labor)	273,340	292,294	277,837	268,025	260,997	125,642	138,193	129,214	154,593	146,424
Net rent received by nonoperator landlords	417,841	441,645	386,797	436,807	420,005	87,908	91,131	102,990	76,075	110,918
Real estate and nonreal estate interest	273,298	257,804	264,080	289,530	304,973	299,945	281,111	293,869	334,617	335,435
Net farm income	1,052,938	824,588	1,171,914	1,099,950	1,327,718	953,850	1,130,639	1,093,868	487,894	551,396

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Oregon					Pennsylvania				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	1,695,623	1,880,742	1,932,075	2,054,043	2,353,406	1,276,566	1,111,623	1,205,303	1,152,827	1,365,534
Food grains	173,330	185,510	204,477	280,897	294,182	27,410	22,743	24,833	37,950	41,867
Feed crops	182,787	210,209	238,903	225,104	262,629	232,795	286,150	271,293	328,799	356,237
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crop	912	1,292	2,226	2,969	2,235	56,098	64,874	68,544	56,966	63,579
Tobacco	0	0	0	0	0	27,233	24,413	21,392	11,340	22,420
Fruits and tree nuts	254,507	219,098	234,811	238,934	260,543	97,770	94,521	75,529	97,549	108,044
Vegetables	328,384	417,587	389,158	372,753	397,036	98,154	97,674	97,968	86,773	95,249
All other crops	760,525	783,045	854,803	927,944	1,103,387	578,231	596,236	604,451	596,489	590,536
Home consumption	2,055	1,234	1,322	1,938	1,701	2,850	1,679	1,774	2,517	2,209
Value of inventory adjustment ²	-6,877	62,767	6,375	3,504	31,694	156,025	-76,667	39,519	-65,556	85,393
Final animal output	771,133	780,190	766,206	666,320	657,462	2,564,032	2,613,272	2,609,551	2,588,946	2,845,747
Meat animals	386,868	400,765	367,979	322,802	283,013	565,605	664,524	590,067	491,706	512,468
Dairy products	225,642	214,577	218,897	212,901	236,999	1,485,229	1,410,209	1,444,940	1,456,359	1,662,423
Poultry and eggs	112,679	93,990	91,234	81,891	98,535	461,032	500,600	526,199	563,400	646,679
Miscellaneous livestock	40,901	38,062	42,969	42,379	37,983	46,743	44,672	43,778	41,789	43,007
Home consumption	14,095	12,993	11,933	11,706	10,290	20,114	21,816	21,273	19,640	15,985
Value of inventory adjustment ²	-9,052	19,803	33,194	-5,359	-9,358	-14,691	-28,549	-16,706	16,052	-34,815
Services and forestry	606,679	802,329	773,731	762,861	789,985	350,533	367,588	403,428	423,468	425,132
Machine hire and customwork	60,096	67,981	67,617	52,371	80,491	28,011	28,751	30,266	31,041	30,302
Forest products sold	345,164	499,814	441,325	416,033	390,879	17,000	18,000	19,000	19,000	19,000
Other farm income	41,107	51,912	43,013	55,098	65,185	78,890	80,545	82,159	87,144	74,469
Gross imputed rental value of farm dwellings	160,312	182,622	221,776	239,359	253,430	226,632	240,292	272,003	286,283	301,361
Final agricultural sector output	3,073,435	3,463,261	3,472,012	3,483,224	3,800,853	4,191,131	4,092,483	4,218,282	4,165,241	4,636,412
less: Intermediate consumption outlays	1,253,421	1,378,588	1,470,237	1,596,431	1,605,673	2,001,621	2,048,923	2,227,476	2,357,093	2,367,723
Farm origin	295,251	340,416	320,678	331,436	323,454	883,457	890,018	890,795	959,259	1,026,238
Feed purchased	199,125	234,637	215,022	223,452	206,079	688,961	693,853	691,130	745,671	805,008
Livestock and poultry purchased	22,498	26,930	30,309	18,731	16,503	113,191	114,565	106,475	105,358	96,190
Seed purchased	73,628	78,849	75,347	89,253	100,872	81,305	81,600	93,190	108,230	125,040
Manufactured inputs	352,382	346,314	369,738	410,661	451,595	374,561	368,341	398,765	439,771	427,527
Fertilizers and lime	121,768	114,532	132,804	152,984	158,899	131,189	122,494	136,729	149,725	144,613
Pesticides	108,529	113,040	116,746	131,997	144,563	67,770	63,193	76,200	87,923	77,316
Petroleum fuel and oils	76,244	76,911	74,277	74,306	82,597	99,164	102,667	102,570	113,432	121,317
Electricity	45,841	41,831	45,911	51,374	65,536	76,438	79,987	83,266	88,691	84,281
Other intermediate expenses	605,788	691,858	779,821	854,334	830,624	743,603	790,564	937,916	958,063	913,958
Repair and maintenance of capital items	216,143	237,762	253,231	268,202	281,166	249,256	246,239	265,036	249,546	249,631
Machine hire and customwork	49,533	58,364	67,357	62,699	62,364	39,916	48,226	64,552	85,301	62,454
Marketing, storage, and transportation expenses	124,634	138,964	189,998	197,157	177,072	121,245	151,714	197,817	197,670	178,139
Contract labor	26,950	29,627	29,201	31,095	30,036	9,446	9,941	13,293	11,063	16,387
Miscellaneous expenses	188,528	227,141	240,034	295,181	279,986	323,740	334,444	397,218	414,483	407,347
plus: Net government transactions	-29,480	-32,650	-67,533	-102,491	-78,440	-127,437	-132,871	-160,760	-151,390	-157,596
+ Direct government payments	87,474	92,806	74,416	51,773	74,262	48,765	45,151	32,688	41,055	37,111
- Motor vehicle registration and licensing fees	15,293	16,987	21,217	26,036	21,603	6,308	5,105	8,888	9,810	8,694
- Property taxes	101,661	108,469	120,732	128,228	131,099	169,894	172,917	184,560	182,635	186,013
Gross value added	1,790,534	2,052,023	1,934,242	1,784,302	2,116,740	2,062,072	1,910,688	1,830,046	1,656,759	2,111,094
less: Capital consumption	301,208	312,764	327,780	337,387	341,461	547,004	541,796	547,859	550,074	551,942
Net value added	1,489,326	1,739,259	1,606,462	1,446,915	1,775,279	1,515,068	1,368,892	1,282,187	1,106,685	1,559,152
less: Factor payments	931,370	1,065,396	1,043,338	1,088,100	1,156,558	501,932	486,431	528,826	576,935	613,241
Employee compensation (total hired labor)	362,619	382,349	390,054	448,461	499,770	343,086	362,439	369,780	406,451	425,705
Net rent received by nonoperator landlords	400,830	516,655	485,855	461,682	468,409	-22,951	-35,326	-38,294	-24,191	-18,061
Real estate and nonreal estate interest	167,921	166,392	167,429	177,957	188,379	181,797	159,318	197,340	194,675	205,597
Net farm income	557,956	673,864	563,124	358,816	618,721	1,013,136	882,461	753,361	529,750	945,911

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Rhode Island					South Carolina				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	62,073	65,937	68,556	69,704	72,137	648,588	604,587	858,757	781,702	888,781
Food grains	0	0	0	0	0	40,688	30,455	52,265	39,281	58,629
Feed crops	516	472	451	430	540	54,563	34,439	50,431	63,375	83,409
Cotton	0	0	0	0	0	74,561	63,370	127,427	131,782	157,690
Oil crops	0	0	0	0	0	90,426	74,603	71,004	90,738	88,132
Tobacco	0	0	0	0	0	190,448	185,612	182,689	186,795	214,650
Fruits and tree nuts	3,333	3,369	3,279	3,168	3,203	35,773	39,838	53,610	48,092	10,085
Vegetables	5,553	6,607	6,725	6,469	6,740	53,248	86,614	88,620	91,786	75,399
All other crops	51,570	56,135	57,880	60,020	61,090	125,170	134,647	153,456	164,331	176,852
Home consumption	38	23	24	35	31	1,343	790	800	1,108	972
Value of inventory adjustment ²	1,063	-669	197	-418	533	-17,632	-45,781	78,455	-35,586	22,963
Final animal output	13,811	13,183	12,197	9,311	10,484	550,619	608,505	608,717	627,631	737,593
Meat animals	1,641	1,697	1,526	1,155	2,103	176,493	205,111	183,774	148,322	143,079
Dairy products	4,554	4,370	4,368	4,334	4,805	61,036	59,887	60,745	55,304	62,185
Poultry and eggs	4,989	4,923	4,856	2,412	3,148	286,879	323,486	355,337	390,946	512,343
Miscellaneous livestock	2,602	1,545	1,337	1,255	1,238	12,154	12,671	16,382	18,900	19,603
Home consumption	147	135	204	209	72	5,135	5,597	5,701	4,924	4,586
Value of inventory adjustment ²	-122	513	-94	-54	-882	8,922	1,753	-13,222	9,235	-4,203
Services and forestry	9,141	9,643	10,024	10,087	9,711	125,652	134,115	152,408	167,557	181,201
Machine hire and customwork	567	582	612	628	613	7,937	7,476	9,916	12,344	14,727
Forest products sold	290	220	150	170	175	7,000	7,700	8,400	9,000	10,000
Other farm income	2,261	2,263	2,342	2,365	1,674	33,285	37,875	39,691	47,096	55,035
Gross imputed rental value of farm dwellings	6,023	6,578	6,920	6,924	7,249	77,430	81,064	94,401	99,117	101,439
Final agricultural sector output	85,025	88,763	90,777	89,102	92,332	1,324,859	1,347,207	1,619,882	1,576,890	1,807,576
less: Intermediate consumption outlays	20,527	21,361	24,081	25,038	30,848	646,457	734,596	759,937	835,116	933,009
Farm origin	5,096	5,410	5,269	5,959	12,758	212,589	241,487	233,742	261,153	324,469
Feed purchased	3,424	3,663	3,375	3,769	3,211	145,163	166,186	161,362	181,584	242,972
Livestock and poultry purchased	167	236	169	186	7,232	34,755	41,025	38,052	43,010	40,776
Seed purchased	1,505	1,511	1,725	2,004	2,315	32,671	34,276	34,328	36,559	40,721
Manufactured inputs	4,358	4,280	4,509	5,027	4,922	199,099	213,143	213,730	234,538	241,867
Fertilizers and lime	1,422	1,318	1,344	1,479	1,450	86,939	88,851	95,723	100,010	107,514
Pesticides	926	864	1,041	1,202	1,057	51,760	60,762	59,760	66,442	70,815
Petroleum fuel and oils	1,328	1,384	1,381	1,554	1,663	47,387	48,156	44,631	49,243	51,506
Electricity	682	714	743	792	752	13,013	15,374	13,616	18,843	12,032
Other intermediate expenses	11,073	11,671	14,303	14,052	13,168	234,769	279,966	312,465	339,425	366,673
Repair and maintenance of capital items	3,822	3,920	4,020	3,663	3,725	79,079	91,805	87,142	87,518	95,481
Machine hire and customwork	301	364	487	644	472	20,917	18,974	24,294	29,460	34,001
Marketing, storage, and transportation expenses	2,466	3,153	4,221	4,156	3,564	30,710	52,737	61,127	66,327	90,239
Contract labor	188	197	264	220	325	7,479	7,945	9,009	12,554	16,368
Miscellaneous expenses	4,296	4,037	5,311	5,369	5,082	96,584	108,505	130,893	143,566	130,584
plus: Net government transactions	-3,142	-3,353	-3,331	-3,444	-3,655	41,827	77,268	32,191	5,048	14,610
+ Direct government payments	308	140	451	318	156	72,588	102,512	60,188	33,771	42,868
- Motor vehicle registration and licensing fees	98	81	141	159	141	2,238	2,465	3,469	3,546	2,382
- Property taxes	3,352	3,412	3,641	3,603	3,670	28,523	22,779	24,528	25,177	25,876
Gross value added	61,356	64,049	63,365	60,620	57,829	720,229	689,879	892,136	746,822	889,176
less: Capital consumption	6,724	6,816	6,667	6,607	6,705	155,983	155,293	156,920	155,406	154,023
Net value added	54,632	57,233	56,698	54,013	51,124	564,246	534,586	735,216	591,416	735,153
less: Factor payments	10,308	11,158	11,939	13,449	14,145	202,463	217,009	216,509	225,017	242,406
Employee compensation (total hired labor)	8,834	9,333	9,521	10,466	10,962	84,288	99,850	94,161	98,935	100,785
Net rent received by nonoperator landlords	-572	-665	-779	-703	-719	49,400	51,252	51,633	55,756	65,681
Real estate and nonreal estate interest	2,046	2,490	3,197	3,686	3,902	68,775	65,907	70,715	70,326	75,940
Net farm income	44,324	46,075	44,759	40,564	36,979	361,783	317,577	518,707	366,399	492,747

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	South Dakota					Tennessee				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	1,424,419	1,155,043	1,864,436	1,477,832	2,428,438	1,141,499	1,015,617	1,260,300	1,279,976	1,296,671
Food grains	340,830	376,846	338,532	390,156	523,551	39,997	38,945	46,983	59,498	82,657
Feed crops	588,265	529,119	650,439	648,756	780,615	143,901	137,908	138,769	172,653	228,140
Cotton	0	0	0	0	0	247,901	183,087	289,402	287,872	275,895
Oil crops	371,437	287,432	540,809	591,084	679,026	184,317	190,939	214,600	224,033	272,953
Tobacco	0	0	0	0	0	246,389	266,089	247,968	205,439	218,810
Fruits and tree nuts	175	158	150	152	166	10,049	10,430	7,468	9,595	9,281
Vegetables	7,353	6,291	9,126	7,133	11,151	47,738	53,726	65,208	58,464	62,416
All other crops	36,334	36,392	94,868	59,200	56,238	171,710	182,737	190,520	210,284	224,061
Home consumption	1,918	1,136	1,183	1,661	1,458	4,658	2,732	2,887	4,078	3,578
Value of inventory adjustment ²	78,107	-82,331	229,329	-220,310	376,234	44,839	-50,976	56,495	48,060	-81,120
Final animal output	1,903,579	1,967,333	1,810,494	1,660,836	1,588,035	1,030,498	1,078,627	1,011,206	940,408	896,910
Meat animals	1,481,110	1,679,999	1,424,009	1,416,790	1,311,259	542,515	482,326	498,414	420,212	462,987
Dairy products	210,816	207,174	201,728	195,875	211,700	260,820	250,240	247,390	239,430	253,590
Poultry and eggs	51,119	51,437	46,845	55,812	71,208	166,228	199,793	196,987	203,756	252,133
Miscellaneous livestock	23,530	25,346	29,057	31,524	38,598	29,325	29,239	28,918	29,197	28,950
Home consumption	12,164	12,732	11,057	10,127	9,596	16,357	14,262	8,156	5,002	3,999
Value of inventory adjustment ²	124,840	-9,355	97,798	-49,292	-54,326	15,253	102,767	31,341	42,811	-104,749
Services and forestry	219,523	250,725	263,254	293,469	328,364	341,736	363,432	389,831	417,780	453,950
Machine hire and customwork	35,301	37,347	56,757	45,389	56,852	16,763	18,276	14,801	18,040	19,317
Forest products sold	590	595	600	610	620	37,421	51,479	55,551	58,846	57,617
Other farm income	99,576	123,580	101,334	135,739	154,542	63,166	59,312	61,995	68,102	78,674
Gross imputed rental value of farm dwellings	84,056	89,203	104,563	111,731	116,350	224,386	234,365	257,484	272,792	298,342
Final agricultural sector output	3,547,521	3,373,101	3,938,184	3,432,137	4,344,837	2,513,733	2,457,676	2,661,337	2,638,164	2,647,531
less: Intermediate consumption outlays	1,526,645	1,600,768	1,621,404	1,681,781	1,733,226	1,065,203	1,131,665	1,135,206	1,203,926	1,298,267
Farm origin	571,197	588,611	535,928	530,658	505,087	322,714	333,633	332,755	344,698	380,704
Feed purchased	256,807	262,227	251,907	232,342	231,144	177,406	181,561	203,414	220,106	257,346
Livestock and poultry purchased	218,159	224,923	174,086	186,472	146,430	89,754	94,292	73,482	58,477	56,501
Seed purchased	96,231	101,461	109,935	111,844	127,513	55,554	57,780	55,859	66,115	66,857
Manufactured inputs	418,458	424,260	457,618	491,446	555,136	302,547	319,722	308,701	350,973	373,498
Fertilizers and lime	119,813	130,606	145,375	165,012	192,747	136,959	143,083	139,575	164,909	174,878
Pesticides	117,032	118,454	131,982	147,764	165,975	78,023	83,142	78,387	85,026	94,236
Petroleum fuel and oils	133,639	127,632	127,465	132,053	144,840	67,843	68,645	71,223	77,652	79,494
Electricity	47,974	47,568	52,796	46,617	51,574	19,722	24,852	19,516	23,386	24,890
Other intermediate expenses	536,990	587,897	627,858	659,677	673,003	439,942	478,309	493,750	508,255	544,065
Repair and maintenance of capital items	206,071	226,913	225,827	220,706	252,772	135,143	174,685	155,855	158,143	164,967
Machine hire and customwork	75,295	91,289	103,538	110,682	96,271	65,276	59,462	73,010	72,821	80,601
Marketing, storage, and transportation expenses	28,557	29,505	33,359	38,671	38,502	67,588	60,116	66,735	77,266	78,060
Contract labor	4,949	6,181	3,668	7,082	4,350	22,879	19,866	30,172	23,786	28,441
Miscellaneous expenses	222,118	234,009	261,466	282,536	281,108	149,056	164,180	167,978	176,239	191,996
plus: Net government transactions	95,166	263,335	112,512	59,747	44,727	27,070	76,864	11,060	-49,252	-19,303
+ Direct government payments	271,899	432,424	289,205	244,998	229,605	115,866	160,624	95,584	47,329	79,917
- Motor vehicle registration and licensing fees	7,069	7,238	7,502	9,500	7,663	5,768	7,510	5,811	7,306	7,316
- Property taxes	169,664	161,851	169,191	175,751	177,215	83,028	76,250	78,713	89,275	91,904
Gross value added	2,116,042	2,035,667	2,429,292	1,810,103	2,656,338	1,475,600	1,402,875	1,537,191	1,384,985	1,329,962
less: Capital consumption	387,891	387,709	393,727	391,711	387,762	447,017	442,403	442,293	443,613	451,182
Net value added	1,728,151	1,647,958	2,035,565	1,418,392	2,268,576	1,028,583	960,472	1,094,898	941,372	878,780
less: Factor payments	618,767	675,185	775,572	763,890	936,629	418,417	420,333	438,812	470,913	492,638
Employee compensation (total hired labor)	75,893	80,689	93,541	91,848	100,940	120,470	129,221	124,327	130,268	132,342
Net rent received by nonoperator landlords	285,287	316,515	383,871	343,811	497,255	143,009	146,632	147,283	164,108	181,048
Real estate and nonreal estate interest	257,587	277,981	298,160	328,231	338,434	154,938	144,480	167,202	176,537	179,248
Net farm income	1,109,384	972,773	1,259,993	654,502	1,331,947	610,166	540,140	656,086	470,459	386,142

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Texas					Utah				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	3,989,087	4,292,355	4,769,043	4,758,009	5,192,738	193,058	220,890	230,126	226,914	231,528
Food grains	515,496	414,473	399,603	421,533	506,911	20,596	21,585	25,249	32,475	38,060
Feed crops	1,038,829	977,250	1,084,490	1,220,131	1,412,217	80,691	104,543	112,813	110,663	108,210
Cotton	951,502	1,622,010	1,837,139	1,357,721	1,809,633	0	0	0	0	0
Oil crops	247,063	194,439	202,927	198,179	221,798	714	1,108	1,421	1,581	1,397
Tobacco	0	0	0	0	0	0	0	0	0	0
Fruits and tree nuts	102,720	83,489	74,019	105,129	67,288	15,854	11,085	12,275	8,975	14,315
Vegetables	351,004	407,675	394,837	452,034	348,106	35,263	35,338	31,913	23,089	23,462
All other crops	737,654	820,135	826,982	902,964	929,252	40,415	44,030	46,178	43,905	41,560
Home consumption	10,851	6,583	6,956	10,169	8,923	723	428	452	675	592
Value of inventory adjustment ²	33,968	-233,699	-57,910	90,149	-111,390	-1,198	2,773	-175	5,551	3,932
Final animal output	7,972,667	8,645,335	8,295,568	8,412,127	7,371,397	613,208	622,695	625,105	605,837	669,863
Meat animals	5,792,846	6,345,962	6,022,962	6,439,126	5,499,461	288,294	324,755	301,793	289,677	283,824
Dairy products	760,213	780,710	830,800	791,570	920,798	169,532	165,065	181,930	181,837	219,475
Poultry and eggs	816,621	897,788	950,176	961,219	1,118,391	63,824	70,566	59,531	69,268	73,536
Miscellaneous livestock	152,761	186,814	308,315	258,869	219,379	50,954	53,322	53,847	50,549	69,304
Home consumption	20,109	17,496	16,316	15,336	12,849	7,607	6,194	7,260	6,686	6,054
Value of inventory adjustment ²	430,117	416,565	166,999	-53,993	-399,481	32,997	2,793	20,744	7,820	17,670
Services and forestry	1,334,777	1,385,070	1,484,632	1,620,263	1,777,600	93,226	106,578	115,738	132,457	152,009
Machine hire and customwork	131,576	131,802	137,152	142,729	137,001	15,254	15,892	17,016	16,553	16,051
Forest products sold	70,000	88,000	88,000	105,000	107,000	290	283	94	95	97
Other farm income	552,394	530,594	538,058	631,681	771,818	20,568	24,889	21,049	26,483	37,883
Gross imputed rental value of farm dwellings	580,807	634,674	721,422	740,853	761,781	57,114	65,514	77,579	89,326	97,978
Final agricultural sector output	13,296,531	14,322,760	14,549,243	14,790,399	14,341,735	899,492	950,163	970,969	965,208	1,053,400
less: Intermediate consumption outlays	7,268,031	7,921,769	7,705,897	8,803,150	8,340,048	384,710	419,859	488,353	497,794	545,219
Farm origin	3,284,754	3,543,015	3,333,209	3,921,884	3,331,093	154,105	169,299	180,837	189,770	212,176
Feed purchased	1,526,606	1,538,529	1,651,703	2,015,619	1,986,220	87,174	88,017	107,206	121,712	140,515
Livestock and poultry purchased	1,520,816	1,770,624	1,441,860	1,650,918	1,068,453	56,044	69,653	59,990	55,014	57,295
Seed purchased	237,332	233,862	239,646	255,347	276,420	10,887	11,629	13,641	13,044	14,366
Manufactured inputs	1,405,966	1,461,480	1,518,079	1,751,263	1,893,022	66,002	67,142	80,338	84,007	94,101
Fertilizers and lime	477,960	505,861	563,170	641,486	673,956	14,038	20,774	16,021	22,065	24,319
Pesticides	324,023	314,588	320,600	375,703	415,861	7,123	7,845	9,172	9,646	10,527
Petroleum fuel and oils	427,545	456,310	460,437	507,398	548,264	28,473	27,801	30,871	31,030	34,563
Electricity	176,438	184,721	173,872	226,676	254,941	16,368	15,475	19,521	21,266	24,692
Other intermediate expenses	2,577,312	2,917,274	2,854,609	3,130,003	3,115,933	164,603	183,418	227,178	224,017	238,942
Repair and maintenance of capital items	563,781	595,152	532,305	670,474	740,080	56,217	55,797	66,553	68,491	74,707
Machine hire and customwork	448,734	623,669	515,144	490,869	474,614	12,114	12,981	13,378	16,580	11,566
Marketing, storage, and transportation expenses	257,853	439,315	427,396	560,067	369,059	12,776	22,552	25,043	24,388	22,273
Contract labor	167,031	123,534	106,504	79,079	105,247	3,383	3,460	3,167	4,719	5,701
Miscellaneous expenses	1,139,913	1,135,604	1,273,260	1,329,514	1,426,933	80,113	88,628	119,037	109,839	124,695
plus: Net government transactions	824,025	1,056,951	434,665	204,756	307,297	11,552	10,111	1,118	-7,849	-12,792
+ Direct government payments	1,162,039	1,420,830	863,129	642,673	764,778	35,972	36,614	32,055	24,495	21,006
- Motor vehicle registration and licensing fees	27,054	21,970	27,340	25,821	33,319	3,244	3,829	5,016	4,258	4,915
- Property taxes	310,960	341,909	401,124	412,096	424,162	21,176	22,674	25,921	28,086	28,883
Gross value added	6,852,525	7,457,942	7,278,012	6,192,005	6,308,984	526,334	540,415	483,734	459,565	495,389
less: Capital consumption	1,223,268	1,249,956	1,280,879	1,291,333	1,296,179	107,403	109,745	113,785	119,272	122,326
Net value added	5,629,257	6,207,986	5,997,133	4,900,672	5,012,805	418,931	430,670	369,949	340,293	373,063
less: Factor payments	2,124,467	2,081,141	2,193,645	2,376,402	2,439,310	115,376	119,482	147,873	161,318	159,386
Employee compensation (total hired labor)	633,561	696,849	651,569	779,549	738,357	54,572	67,250	87,998	92,120	90,876
Net rent received by nonoperator landlords	672,544	663,931	784,358	733,054	832,424	7,071	3,999	7,082	12,440	11,764
Real estate and nonreal estate interest	818,362	720,361	757,718	863,799	868,529	53,733	48,233	52,793	56,758	56,746
Net farm income	3,504,790	4,126,845	3,803,488	2,524,270	2,573,495	303,555	311,188	222,076	178,975	213,677

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Vermont					Virginia				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	98,275	77,187	88,144	86,921	91,770	838,528	645,688	827,537	863,973	897,135
Food grains	0	0	0	0	0	45,757	39,091	44,061	65,516	69,692
Feed crops	16,311	14,794	12,347	12,079	11,164	105,109	82,182	85,959	107,859	146,622
Cotton	0	0	0	0	0	7,722	9,365	25,700	42,072	57,575
Oil crops	0	0	0	0	0	161,586	131,189	160,622	141,704	154,599
Tobacco	0	0	0	0	0	189,667	180,807	168,590	174,906	187,793
Fruits and tree nuts	10,398	9,560	8,607	9,791	10,153	46,881	43,669	45,129	53,045	52,980
Vegetables	9,874	9,797	11,200	12,300	13,500	104,230	85,520	113,683	110,119	73,948
All other crops	56,676	51,210	53,644	55,704	62,792	128,541	135,566	140,991	142,328	156,954
Home consumption	351	211	216	302	265	2,466	1,514	1,600	2,366	2,076
Value of inventory adjustment ²	4,665	-8,385	2,130	-3,255	-6,104	46,569	-63,215	41,202	24,058	-5,104
Final animal output	408,671	390,928	396,276	389,556	438,490	1,373,381	1,428,009	1,445,459	1,426,845	1,498,996
Meat animals	34,398	60,007	50,219	40,816	35,413	416,814	424,696	370,104	321,069	297,881
Dairy products	343,198	332,850	331,262	331,204	392,688	291,888	276,500	272,272	266,340	289,980
Poultry and eggs	3,555	3,995	2,611	2,204	2,647	555,473	618,058	664,131	695,148	773,829
Miscellaneous livestock	5,277	5,380	5,989	6,134	6,309	90,386	95,818	102,924	110,294	116,293
Home consumption	1,900	2,043	1,682	1,260	1,104	13,086	11,919	10,122	9,292	8,062
Value of inventory adjustment ²	20,343	-13,347	4,513	7,938	329	5,734	1,018	25,906	24,702	12,951
Services and forestry	45,945	47,118	49,483	49,950	47,151	301,776	297,367	309,483	326,905	360,397
Machine hire and customwork	3,088	3,169	3,336	3,422	3,340	10,899	11,883	9,623	11,730	12,560
Forest products sold	3,950	3,969	4,840	5,400	5,950	0	0	0	0	0
Other farm income	14,936	14,972	15,497	15,688	11,209	104,323	97,382	101,119	111,428	130,417
Gross imputed rental value of farm dwellings	23,971	25,008	25,810	25,440	26,652	186,554	188,102	198,741	203,747	217,420
Final agricultural sector output	552,891	515,233	533,903	526,427	577,411	2,513,685	2,371,064	2,582,479	2,617,723	2,756,528
less: Intermediate consumption outlays	250,876	256,241	269,915	284,976	290,947	1,057,076	1,117,546	1,169,704	1,252,290	1,380,753
Farm origin	117,597	118,038	112,240	121,807	134,096	405,236	428,344	484,637	508,279	599,700
Feed purchased	105,504	105,416	99,699	109,452	122,302	282,939	303,106	354,836	371,739	463,165
Livestock and poultry purchased	7,514	8,027	7,293	6,260	4,752	79,167	80,380	86,434	85,211	84,630
Seed purchased	4,579	4,595	5,248	6,095	7,042	43,130	44,858	43,367	51,329	51,905
Manufactured inputs	38,567	37,336	39,734	43,411	42,615	254,090	261,293	250,456	281,333	299,302
Fertilizers and lime	12,654	10,730	12,008	13,057	12,525	100,422	96,803	93,933	108,263	115,147
Pesticides	3,486	3,250	3,919	4,522	3,977	62,907	67,034	63,201	68,554	75,979
Petroleum fuel and oils	11,484	11,905	11,887	13,135	14,048	66,129	66,418	68,947	75,308	77,090
Electricity	10,943	11,451	11,920	12,697	12,065	24,632	31,038	24,375	29,208	31,086
Other intermediate expenses	94,712	100,867	117,941	119,758	114,236	397,750	427,909	434,611	462,678	481,751
Repair and maintenance of capital items	27,512	27,409	28,260	26,158	26,140	111,995	130,989	123,542	126,657	124,572
Machine hire and customwork	5,696	6,882	9,212	12,172	8,912	22,988	24,827	28,088	30,563	35,944
Marketing, storage, and transportation expenses	15,820	19,433	24,977	24,661	22,992	69,306	62,995	67,396	81,273	78,266
Contract labor	871	916	1,225	1,020	1,511	15,875	13,784	20,936	16,505	19,734
Miscellaneous expenses	44,813	46,227	54,267	55,747	54,681	177,586	195,314	194,649	207,680	223,235
plus: Net government transactions	-19,003	-21,465	-22,654	-22,409	-23,040	-47,263	-25,125	-38,501	-57,760	-55,205
+ Direct government payments	5,550	3,377	4,254	4,325	4,035	29,072	46,346	34,232	25,390	30,423
- Motor vehicle registration and licensing fees	768	634	1,069	1,165	1,033	3,426	4,514	3,614	4,756	4,925
- Property taxes	23,785	24,208	25,839	25,569	26,042	72,909	66,957	69,119	78,394	80,703
Gross value added	283,012	237,527	241,333	219,042	263,424	1,409,346	1,228,393	1,374,274	1,307,673	1,320,570
less: Capital consumption	61,741	60,385	58,762	57,382	57,357	357,545	348,125	345,365	349,783	357,335
Net value added	221,271	177,142	182,571	161,660	206,067	1,051,801	880,268	1,028,909	957,890	963,235
less: Factor payments	59,504	59,023	65,245	69,327	73,259	367,270	364,165	367,421	384,271	395,295
Employee compensation (total hired labor)	37,305	39,408	40,206	44,194	46,288	164,189	176,115	169,444	177,542	180,368
Net rent received by nonoperator landlords	-1,456	-2,033	-2,056	-1,289	-989	48,457	45,145	43,919	53,529	57,856
Real estate and nonreal estate interest	23,655	21,648	27,095	26,422	27,960	154,624	142,905	154,058	153,200	157,071
Net farm income										

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Washington					West Virginia				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	2,951,866	3,242,071	3,165,481	3,552,270	4,248,713	92,732	70,996	72,943	79,057	70,507
Food grains	436,442	481,296	520,899	706,986	774,530	1,560	1,390	1,534	2,204	2,072
Feed crops	245,908	267,744	260,822	309,204	364,768	17,861	20,553	18,533	21,316	25,662
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	1,716	1,831	3,718	3,664	4,744	6	NA	NA	NA	0
Tobacco	0	0	0	0	0	6,529	6,480	6,529	5,749	3,775
Fruits and tree nuts	1,149,827	1,062,351	1,014,180	1,231,952	1,466,167	28,130	25,532	20,595	25,877	24,355
Vegetables	573,002	781,897	810,410	818,163	831,098	5,800	6,300	6,000	5,800	5,600
All other crops	480,326	505,798	533,120	561,135	575,283	19,049	15,021	17,715	18,013	18,515
Home consumption	2,028	1,185	1,252	1,812	1,590	1,096	658	696	1,007	883
Value of inventory adjustment ²	62,617	139,969	21,080	-80,646	230,533	12,701	-4,938	1,341	-909	-10,355
Final animal output	1,486,194	1,616,021	1,565,606	1,563,987	1,624,835	250,265	324,963	346,658	309,767	302,362
Meat animals	607,681	706,231	700,064	652,353	626,399	107,591	127,615	97,970	76,390	55,683
Dairy products	645,710	635,005	677,191	684,172	788,075	36,448	35,370	36,046	34,190	37,848
Poultry and eggs	144,578	154,506	172,429	178,872	179,463	98,980	152,338	190,971	195,753	208,765
Miscellaneous livestock	76,332	68,933	75,843	68,024	70,453	6,461	6,436	5,991	5,648	5,895
Home consumption	14,356	12,950	7,218	6,429	6,601	6,406	6,983	5,510	4,294	3,176
Value of inventory adjustment ²	-2,463	38,396	-67,139	-25,863	-46,156	-5,621	-3,779	10,170	-6,508	-9,005
Services and forestry	561,840	640,302	709,522	711,347	730,473	72,921	80,769	87,414	92,041	98,673
Machine hire and customwork	65,030	73,562	73,169	56,671	87,101	2,460	2,682	2,172	2,647	2,835
Forest products sold	295,000	345,000	395,000	380,000	345,000	3,800	4,000	4,000	4,000	4,000
Other farm income	57,503	74,815	62,066	78,407	94,637	18,786	21,681	26,003	28,677	32,055
Gross imputed rental value of farm dwellings	144,307	146,925	179,287	196,269	203,735	47,875	52,406	55,239	56,717	59,783
Final agricultural sector output	4,999,900	5,498,394	5,440,609	5,827,604	6,604,021	415,918	476,728	507,015	480,865	471,542
less: Intermediate consumption outlays	2,101,102	2,417,602	2,514,477	2,842,252	2,842,625	190,470	240,038	266,357	278,128	295,868
Farm origin	647,036	819,046	739,570	845,745	847,517	73,411	100,137	125,757	129,853	141,962
Feed purchased	372,730	470,543	454,179	506,800	493,017	49,476	64,888	87,007	93,645	107,069
Livestock and poultry purchased	155,283	221,040	163,589	194,663	191,436	20,018	31,175	34,811	31,546	30,179
Seed purchased	119,023	127,463	121,802	144,282	163,064	3,917	4,074	3,939	4,662	4,714
Manufactured inputs	539,746	536,921	586,888	649,224	712,152	36,842	39,011	37,060	41,085	42,747
Fertilizers and lime	187,465	179,785	222,458	251,672	261,571	12,839	13,407	12,561	13,883	14,107
Pesticides	177,466	184,842	190,901	215,839	236,387	6,281	6,693	6,310	6,845	7,586
Petroleum fuel and oils	108,416	111,704	107,029	107,299	119,268	13,283	13,317	13,796	15,093	15,451
Electricity	66,399	60,590	66,500	74,414	94,926	4,439	5,594	4,393	5,264	5,603
Other intermediate expenses	914,320	1,061,635	1,188,019	1,347,283	1,282,956	80,217	100,890	103,540	107,190	111,159
Repair and maintenance of capital items	243,054	261,224	270,757	283,895	296,338	30,341	39,883	35,659	36,320	37,969
Machine hire and customwork	80,449	94,792	109,397	101,832	101,289	3,287	3,531	3,784	4,011	4,612
Marketing, storage, and transportation expenses	220,389	252,852	342,488	379,566	337,957	10,616	11,784	12,344	14,245	12,775
Contract labor	50,239	55,228	54,434	57,966	55,992	3,265	2,835	4,306	3,395	4,059
Miscellaneous expenses	320,189	397,539	410,943	524,024	491,380	32,708	42,857	47,447	49,219	51,744
plus: Net government transactions	51,905	60,972	-12,131	-62,769	-21,261	-5,219	-5,296	-6,037	-8,047	-9,112
+ Direct government payments	188,743	207,208	152,840	115,832	156,039	6,862	6,259	5,513	5,235	4,538
- Motor vehicle registration and licensing fees	17,051	18,427	22,713	27,510	22,826	1,152	1,518	1,189	1,531	1,553
- Property taxes	119,787	127,809	142,258	151,091	154,474	10,929	10,037	10,361	11,751	12,097
Gross value added	2,950,703	3,141,764	2,914,001	2,922,583	3,740,135	220,229	231,394	234,621	194,690	166,562
less: Capital consumption	355,608	355,485	368,172	373,378	372,840	91,625	91,917	91,406	91,771	93,080
Net value added	2,595,095	2,786,279	2,545,829	2,549,205	3,367,295	128,604	139,477	143,215	102,919	73,482
less: Factor payments	1,358,526	1,410,969	1,506,773	1,616,288	1,767,954	58,031	59,490	60,042	61,796	63,150
Employee compensation (total hired labor)	594,357	626,694	639,323	735,058	819,156	23,458	25,162	24,209	25,366	25,770
Net rent received by nonoperator landlords	557,077	570,977	633,489	624,778	677,155	3,028	2,982	2,077	3,195	3,111
Real estate and nonreal estate interest	207,092	213,298	233,961	256,452	271,643	31,545	31,346	33,756	33,235	34,269
Net farm income	1,236,569	1,375,310	1,039,056	932,917	1,599,341	70,573	79,987	83,173	41,123	10,332

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96¹—Continued

Item	Wisconsin					Wyoming				
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>									
Final crop output	1,244,769	1,148,622	1,791,023	1,619,484	1,758,702	168,720	205,098	137,049	209,564	187,831
Food grains	11,074	13,183	25,461	33,963	28,560	18,979	18,344	18,746	27,643	34,710
Feed crops	599,177	521,636	525,224	795,184	788,178	90,136	86,793	79,258	87,151	88,866
Cotton	0	0	0	0	0	0	0	0	0	0
Oil crops	121,768	127,197	165,540	199,986	235,680	229	233	238	244	201
Tobacco	22,224	19,070	10,352	8,670	8,993	0	0	0	0	0
Fruits and tree nuts	88,160	86,231	105,604	115,891	120,536	12	12	10	10	10
Vegetables	353,515	328,903	384,819	364,432	379,580	25,472	20,356	16,584	17,972	18,462
All other crops	193,915	198,098	203,405	206,610	211,937	63,296	54,813	45,405	51,057	42,089
Home consumption	4,330	2,600	2,748	4,027	3,534	504	303	320	463	406
Value of inventory adjustment ²	-149,394	-148,296	367,870	-109,279	-18,296	-29,908	24,244	-23,512	25,024	3,086
Final animal output	4,262,746	4,047,955	3,970,481	3,919,296	4,225,139	660,499	704,608	613,999	553,638	533,009
Meat animals	973,957	975,236	860,438	789,006	739,130	578,664	633,817	593,592	512,670	444,375
Dairy products	3,097,803	2,906,048	2,873,682	2,915,917	3,261,815	12,375	11,867	11,624	8,880	10,813
Poultry and eggs	174,189	185,693	185,230	197,828	218,112	156	161	222	345	854
Miscellaneous livestock	34,117	41,264	42,180	46,218	69,021	16,873	14,605	17,654	22,092	21,599
Home consumption	19,862	20,441	18,020	16,284	14,771	5,766	4,178	5,592	5,013	4,633
Value of inventory adjustment ²	-37,182	-80,727	-9,069	-45,957	-77,710	46,665	39,980	-14,685	4,638	50,735
Services and forestry	405,612	446,914	493,193	540,734	580,694	86,785	101,384	107,481	120,555	139,463
Machine hire and customwork	46,821	46,652	52,844	40,969	59,346	11,495	11,976	12,823	12,474	12,096
Forest products sold	55,935	75,500	75,800	76,000	76,000	650	700	700	800	800
Other farm income	87,101	88,941	90,801	101,768	102,122	31,703	37,932	32,487	39,716	55,873
Gross imputed rental value of farm dwellings	215,755	235,821	273,748	321,997	343,226	42,937	50,776	61,471	67,565	70,694
Final agricultural sector output	5,913,127	5,643,491	6,254,697	6,079,514	6,564,536	916,004	1,011,090	858,529	883,757	860,303
less: Intermediate consumption outlays	2,892,093	3,126,991	3,378,760	3,361,962	3,342,852	461,580	494,551	509,475	497,883	492,783
Farm origin	999,751	1,078,974	1,160,404	1,183,742	1,214,606	234,398	247,267	210,793	204,046	194,913
Feed purchased	775,036	839,204	883,457	930,403	927,448	58,318	57,107	65,243	67,733	76,854
Livestock and poultry purchased	35,390	36,544	43,193	50,626	65,280	166,511	179,939	133,560	124,848	105,432
Seed purchased	189,325	203,226	233,754	202,713	221,878	9,569	10,221	11,990	11,465	12,627
Manufactured inputs	712,241	722,302	785,043	762,954	780,756	66,325	66,967	81,933	85,555	95,450
Fertilizers and lime	264,942	256,191	293,844	292,811	295,343	17,289	17,289	25,584	27,175	29,951
Pesticides	154,503	167,948	188,927	181,509	196,345	7,889	8,689	10,159	10,684	11,660
Petroleum fuel and oils	167,840	172,761	175,814	164,873	166,189	29,514	28,489	32,316	32,582	36,290
Electricity	124,956	125,402	126,458	123,761	122,879	11,633	10,998	13,874	15,114	17,549
Other intermediate expenses	1,180,101	1,325,715	1,433,313	1,415,266	1,347,490	160,857	180,317	216,749	208,282	202,420
Repair and maintenance of capital items	351,250	405,433	421,168	405,772	459,775	50,978	52,061	61,590	61,100	65,395
Machine hire and customwork	73,618	102,508	126,482	115,293	96,196	13,040	13,973	14,400	17,848	12,450
Marketing, storage, and transportation expenses	158,679	156,127	202,260	197,463	178,861	13,444	22,812	23,722	21,866	16,886
Contract labor	7,201	14,501	11,728	7,953	9,901	4,351	4,450	4,073	6,070	7,332
Miscellaneous expenses	589,353	647,146	671,675	688,785	602,757	79,044	87,021	112,964	101,398	100,357
plus: Net government transactions	-217,203	-85,008	-188,795	-256,005	-286,641	11,700	16,104	6,589	-1,780	-10,000
+ Direct government payments	166,027	310,168	236,401	183,832	156,849	36,663	43,213	38,173	31,229	24,381
- Motor vehicle registration and licensing fees	13,040	10,827	11,682	12,310	11,913	2,969	3,559	4,662	3,839	4,383
- Property taxes	370,190	384,349	413,514	427,527	431,577	21,994	23,550	26,922	29,170	29,998
Gross value added	2,803,830	2,431,493	2,687,142	2,461,547	2,935,043	466,124	532,643	355,643	384,094	357,520
less: Capital consumption	881,656	893,187	911,299	932,779	931,335	91,735	95,679	99,906	101,575	101,665
Net value added	1,922,174	1,538,306	1,775,843	1,528,768	2,003,708	374,389	436,964	255,737	282,519	255,855
less: Factor payments	1,159,346	1,160,174	1,294,431	1,244,701	1,443,312	133,525	141,769	160,655	192,208	189,100
Employee compensation (total hired labor)	476,801	475,891	497,822	463,596	536,960	43,708	53,860	70,478	73,781	72,784
Net rent received by nonoperator landlords	300,966	322,071	383,524	334,260	434,616	24,927	23,884	17,356	40,567	38,793
Real estate and nonreal estate interest	381,579	362,212	413,085	446,845	471,736	64,890	64,025	72,821	77,860	77,523
Net farm income	762,828	378,132	481,412	284,067	560,396	240,864	295,195	95,082	90,311	66,755

NA = Not available. ¹Final sector output is the gross value of the commodities and services produced within a year. Net value added is the sector's contribution to the national economy and is the sum of the income from production earned by all factors of production. Net farm income is the operator's share on income from the sector's activities. The concept is consistent with that employed by the Organization for Economic Cooperation and Development. ²A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years that is included in current-year sales.

Table 2-2—Ranking of 10 leading States in cash receipts for top 25 commodities, 1996

Commodity ¹	Rank ²	Value	Top 10 States by their value of cash receipts									
			1	2	3	4	5	6	7	8	9	10
		<i>Million dollars</i>	<i>State and million dollars</i>									
All commodities		202,339	CA 23,310	TX 13,053	IA 12,853	NE 9,454	IL 9,050	MN 8,809	KS 7,869	NC 7,831	FL 6,131	WI 6,062
All livestock and products		92,814	TX 7,758	CA 6,213	IA 5,457	NE 5,277	KS 4,570	NC 4,427	WI 4,288	MN 4,168	AR 3,357	GA 3,279
All crops		109,425	CA 17,096	IA 7,396	IL 6,989	TX 5,295	FL 4,942	MN 4,641	NE 4,177	WA 4,017	IN 3,663	NC 3,404
Cattle and calves	1	31,138	TX 5,331	NE 4,082	KS 3,995	CO 2,072	IA 1,461	OK 1,446	CA 1,145	SD 946	MN 925	MT 656
Dairy products	2	22,834	CA 3,717	WI 3,262	NY 1,693	PA 1,662	MN 1,362	TX 921	MI 807	WA 788	ID 653	OH 651
Corn	3	21,573	IA 4,290	IL 3,546	NE 2,491	IN 1,784	MN 1,704	OH 947	KS 783	WI 707	TX 684	MO 670
Soybeans	4	16,211	IA 2,892	IL 2,784	MN 1,618	IN 1,453	OH 1,126	MO 996	NE 828	AR 763	SD 561	KS 455
Broilers	5	13,906	GA 2,205	AR 2,122	AL 1,635	NC 1,310	MS 1,197	TX 726	DE 524	MD 513	VA 466	CA 457
Hogs	6	12,644	IA 3,004	NC 1,749	MN 1,116	IL 1,039	NE 856	IN 830	MO 652	OH 398	KS 328	SD 325
Greenhouse/nursery ³	7	10,887	CA 2,224	FL 1,140	NC 889	TX 838	OH 517	OR 442	MI 422	PA 318	GA 273	OK 263
Wheat	8	9,956	ND 1,607	KS 1,184	MT 861	WA 775	SD 520	ID 484	MN 413	OK 398	CO 391	NE 338
Cotton	9	7,461	TX 1,810	CA 1,191	GA 782	MS 726	AR 625	LA 520	NC 343	AZ 341	TN 276	AL 260
Chicken eggs	10	4,757	CA 367	OH 359	GA 348	IN 320	AR 300	PA 295	TX 291	IA 247	AL 225	NC 218
Hay	11	3,574	CA 565	WA 231	OR 220	ID 198	CO 169	TX 166	NM 155	PA 116	OK 102	KS 97
Turkeys	12	3,056	NC 612	MN 427	MO 249	AR 232	CA 222	VA 204	IN 151	SC 108	PA 103	IA 102
Tobacco	13	2,796	NC 1,021	KY 813	TN 219	SC 215	VA 188	GA 176	OH 34	FL 31	PA 22	IN 22
Potatoes	14	2,699	ID 716	WA 470	CA 179	OR 164	WI 154	ND 132	CO 124	MN 119	ME 103	MI 94

See footnotes at end of table.

Continued—

Table 2-2—Ranking of 10 leading States in cash receipts for top 25 commodities, 1996—Continued

Commodity ¹	Rank ²	Value	Top 10 States by their value of cash receipts									
			1	2	3	4	5	6	7	8	9	10
		<i>Million dollars</i>	<i>State and million dollars</i>									
Grapes	15	2,334	CA 2,154	WA 58	NY 44	AZ 20	PA 17	OR 15	MI 14	AR 5	GA 4	OH 2
Apples	16	1,846	WA 1,098	CA 147	NY 138	MI 107	PA 49	VA 39	NC 24	OH 24	ID 22	OR 17
Sorghum grain	17	1,813	KS 678	TX 558	NE 203	MO 111	OK 62	AR 47	IL 37	CO 26	LA 26	SD 17
Oranges	18	1,798	FL 1,291	CA 493	AZ 8	TX 7	—	—	—	—	—	—
Tomatoes	19	1,603	CA 908	FL 382	OH 47	GA 44	SC 34	IN 25	VA 25	NJ 24	MI 21	TN 18
Rice	20	1,575	AR 644	CA 320	LA 246	TX 181	MS 133	MO 51	—	—	—	—
Lettuce	21	1,427	CA 1,084	AZ 306	NJ 13	FL 7	NM 6	OH 5	CO 4	WA 2	NY 1	—
Sugar beets	22	1,017	MN 303	ID 184	ND 165	CA 95	MI 66	MT 52	WY 37	CO 37	NE 31	OR 16
Almonds	23	1,009	CA 1,009	—	—	—	—	—	—	—	—	—
Barley	24	992	ND 303	ID 155	MT 153	MN 73	WA 70	CA 47	WY 30	CO 27	OR 24	UT 23
Peanuts	25	969	GA 389	TX 171	AL 119	NC 96	FL 59	VA 59	OK 59	NM 10	SC 8	AZ 1
Vegetables		14,349	CA 5,474	FL 1,303	ID 848	WA 831	AZ 555	MI 429	OR 397	WI 380	GA 378	TX 348
Fruits and nuts		11,074	CA 6,370	FL 1,774	WA 1,466	OR 261	MI 223	NY 209	HA 180	WI 121	MA 121	AZ 120

— = Not applicable.

¹The 25 leading commodities ranked by value of farm marketings, plus totals for vegetables and fruits and nuts.

²Rankings of the States and commodities available on Internet at www.econ.ag.gov/briefing/fbe/fi/fi.htm

³Excludes mushrooms.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 2-3—States ranked by cash receipts, with five leading commodities, 1996¹

State	Total		Livestock and products		Crops		Five leading commodities for each State									
	Rank	Cash receipts	Rank	Cash receipts	Rank	Cash receipts	1		2		3		4		5	
		Thousand dollars		Thousand dollars		Thousand dollars	Commodity	Cash receipts	Commodity	Cash receipts	Commodity	Cash receipts	Commodity	Cash receipts	Commodity	Cash receipts
California	1	23,309,526	2	6,213,336	1	17,096,190	Dairy products	3,717,116	Greenhouse/nursery	2,223,707	Grapes	2,154,422	Cotton	1,190,503	Cattle and calves	1,144,563
Texas	2	13,053,234	1	7,758,029	4	5,295,205	Cattle and calves	5,331,297	Cotton	1,809,633	Dairy products	920,798	Greenhouse/nursery	838,000	Broilers	726,264
Iowa	3	12,852,687	3	5,456,780	2	7,395,907	Corn	4,290,116	Hogs	3,003,970	Soybean	2,892,171	Cattle and calves	1,461,149	Dairy products	546,070
Nebraska	4	9,454,041	4	5,277,261	7	4,176,780	Cattle and calves	4,081,767	Corn	2,490,992	Hogs	856,139	Soybean	827,656	Wheat	338,420
Illinois	5	9,049,998	16	2,061,103	3	6,988,895	Corn	3,545,576	Soybean	2,783,554	Hogs	1,038,640	Cattle and calves	564,158	Dairy products	345,300
Minnesota	6	8,808,931	8	4,168,423	6	4,640,508	Corn	1,704,389	Soybean	1,618,232	Dairy products	1,362,180	Hogs	1,115,777	Cattle and calves	925,163
Kansas	7	7,869,209	5	4,570,327	11	3,298,882	Cattle and calves	3,994,745	Wheat	1,183,561	Corn	782,902	Sorghum grain	678,297	Soybean	455,183
North Carolina	8	7,831,309	6	4,427,323	10	3,403,986	Hogs	1,748,690	Broilers	1,310,429	Tobacco	1,021,487	Greenhouse/nursery	889,397	Turkeys	612,255
Florida	9	6,130,658	28	1,188,193	5	4,942,465	Oranges	1,290,577	Greenhouse/nursery	1,140,419	Cane for sugar	461,741	Dairy products	431,280	Tomatoes	381,996
Wisconsin	10	6,061,542	7	4,288,078	22	1,773,464	Dairy products	3,261,815	Corn	706,978	Cattle and calves	543,626	Soybean	234,473	Hogs	190,001
Arkansas	11	5,886,786	9	3,356,623	14	2,530,163	Broilers	2,122,313	Soybean	763,365	Rice	644,295	Cotton	624,783	Chicken eggs	299,950
Georgia	12	5,687,046	10	3,279,260	16	2,407,786	Broilers	2,205,294	Cotton	781,640	Peanuts	388,552	Chicken eggs	348,002	Greenhouse/nursery	273,000
Washington	13	5,680,980	22	1,664,390	8	4,016,590	Apples	1,098,717	Dairy products	788,075	Wheat	774,530	Cattle and calves	611,337	Potatoes	470,293
Indiana	14	5,558,099	20	1,894,655	9	3,663,444	Corn	1,784,351	Soybean	1,453,360	Hogs	829,748	Chicken eggs	320,129	Dairy products	312,522
Ohio	15	5,121,783	18	1,944,998	12	3,176,785	Soybean	1,126,253	Corn	947,039	Dairy products	651,000	Greenhouse/nursery	517,003	Hogs	397,788
Missouri	16	4,950,421	13	2,450,145	15	2,500,276	Soybean	995,839	Corn	670,412	Hogs	651,631	Cattle and calves	626,318	Broilers	397,163
Colorado	17	4,229,447	12	2,759,135	25	1,470,312	Cattle and calves	2,071,753	Wheat	391,421	Corn	327,659	Dairy products	245,769	Hogs	174,293
Pennsylvania	18	4,142,509	11	2,864,577	28	1,277,932	Dairy products	1,662,423	Cattle and calves	338,674	Greenhouse/nursery	318,004	Chicken eggs	295,160	Mushrooms	254,600
South Dakota	19	3,683,512	23	1,632,765	20	2,050,747	Cattle and calves	945,528	Corn	635,461	Soybean	560,509	Wheat	520,264	Hogs	324,917
Michigan	20	3,642,927	25	1,447,981	18	2,194,946	Dairy products	807,488	Corn	477,441	Greenhouse/nursery	421,846	Soybean	351,302	Cattle and calves	232,109
Oklahoma	21	3,565,551	14	2,439,301	30	1,126,250	Cattle and calves	1,446,470	Wheat	697,612	Broilers	328,950	Hogs	320,714	Greenhouse/nursery	263,106
Kentucky	22	3,550,232	21	1,718,885	21	1,831,347	Tobacco	812,739	Horses/mules	628,000	Cattle and calves	484,705	Corn	363,846	Soybean	306,852
North Dakota	23	3,532,393	38	536,777	13	2,995,616	Wheat	1,606,747	Cattle and calves	305,457	Barley	302,768	Sunflower	207,936	Sugar beets	164,728
Mississippi	24	3,462,784	19	1,934,279	24	1,528,505	Broilers	1,197,004	Cotton	726,425	Soybean	327,950	Aquaculture	274,559	Chicken eggs	153,569
Idaho	25	3,409,945	26	1,329,258	19	2,080,687	Potatoes	715,708	Dairy products	652,605	Cattle and calves	573,575	Wheat	483,914	Hay	198,405
Alabama	26	3,173,595	15	2,362,958	34	810,637	Broilers	1,634,802	Cattle and calves	286,068	Cotton	260,436	Chicken eggs	225,358	Greenhouse/nursery	190,004
New York	27	3,043,034	17	2,044,547	31	998,487	Dairy products	1,693,251	Greenhouse/nursery	238,875	Apples	138,222	Corn	123,726	Cattle and calves	102,096
Oregon	28	2,976,542	35	656,530	17	2,320,012	Greenhouse/nursery	441,503	Wheat	294,182	Cattle and calves	257,598	Dairy products	236,999	Hay	219,650
Virginia	29	2,378,146	24	1,477,983	32	900,163	Broilers	466,388	Dairy products	289,980	Cattle and calves	211,294	Turkeys	204,250	Tobacco	187,793
Tennessee	30	2,371,873	29	997,660	26	1,374,213	Cattle and calves	355,971	Cotton	275,895	Soybean	272,953	Dairy products	253,590	Broilers	232,155
Louisiana	31	2,342,068	34	687,210	23	1,654,858	Cotton	520,245	Cane for sugar	271,418	Soybean	249,040	Rice	246,324	Corn	175,134
Arizona	32	2,146,417	31	838,827	27	1,307,590	Cattle and calves	384,228	Dairy products	356,990	Cotton	341,055	Lettuce	305,683	Cantaloups	84,677
Montana	33	2,027,226	32	796,927	29	1,230,299	Wheat	860,646	Cattle and calves	655,770	Barley	152,889	Hay	88,979	Sugar beets	51,870
New Mexico	34	1,709,056	27	1,197,489	37	511,567	Cattle and calves	628,219	Dairy products	523,279	Hay	154,745	Chili peppers	65,460	Onions	44,744
South Carolina	35	1,602,056	33	737,210	33	864,846	Broilers	306,657	Tobacco	214,650	Greenhouse/nursery	167,578	Cotton	157,690	Turkeys	107,717
Maryland	36	1,533,770	30	900,503	35	633,267	Broilers	512,672	Greenhouse/nursery	230,409	Dairy products	199,971	Corn	106,043	Soybean	93,654
Utah	37	873,143	36	646,139	41	227,004	Cattle and calves	244,193	Dairy products	219,475	Hay	78,119	Wheat	38,060	Greenhouse/nursery	32,378
New Jersey	38	800,958	44	195,563	36	605,395	Greenhouse/nursery	257,032	Dairy products	44,829	Peaches	33,649	Blueberries	33,010	Chicken eggs	28,817
Delaware	39	757,036	37	573,456	44	183,580	Broilers	524,216	Soybean	40,935	Corn	35,176	Greenhouse/nursery	27,895	Dairy products	21,114
Wyoming	40	661,979	39	477,641	43	184,338	Cattle and calves	394,748	Hay	41,617	Sugar beets	37,474	Wheat	34,710	Sheep and lambs	32,349
Vermont	41	534,666	40	437,057	46	97,609	Dairy products	392,688	Cattle and calves	34,305	Greenhouse/nursery	31,000	Maple products	14,575	Christmas trees	12,460
Connecticut	42	489,113	43	236,700	40	252,413	Greenhouse/nursery	123,149	Dairy products	78,970	Aquaculture	61,881	Chicken eggs	58,583	Cattle and calves	11,295
Maine	43	485,111	42	261,537	42	223,574	Potatoes	103,476	Dairy products	101,457	Chicken eggs	86,940	Aquaculture	48,278	Blueberries	30,000
Hawaii	44	482,589	48	65,995	38	416,594	Cane for sugar	108,334	Pineapples	87,282	Greenhouse/nursery	74,487	Macadamia nuts	44,070	Dairy products	29,234
Massachusetts	45	477,698	46	109,067	39	368,631	Greenhouse/nursery	146,672	Cranberries	98,283	Dairy products	69,992	Apples	14,004	Sweet corn	13,720
West Virginia	46	388,170	41	308,191	48	79,979	Broilers	148,013	Cattle and calves	48,459	Dairy products	37,848	Turkeys	37,620	Chicken eggs	22,610
Nevada	47	286,002	45	153,436	45	132,566	Cattle and calves	81,017	Hay	66,915	Dairy products	62,310	Potatoes	20,471	Onions	15,979
New Hampshire	48	160,907	47	72,302	47	88,605	Dairy products	49,764	Greenhouse/nursery	40,000	Apples	8,507	Cattle and calves	6,560	Sweet corn	6,016
Rhode Island	49	82,867	49	11,294	49	71,573	Greenhouse/nursery	50,000	Dairy products	4,805	Chicken eggs	2,580	Sweet corn	1,950	Cattle and calves	1,598
Alaska	50	29,418	50	6,108	50	23,310	Greenhouse/nursery	17,992	Dairy products	2,608	Potatoes	1,698	Hay	1,330	Cattle and calves	798

¹Rankings for States and commodities available on Internet at www.econ.ag.gov/briefing/fbe/fi/fi.htm
Source: Economic Research Service, U.S. Department of Agriculture.

Table 2-4—Value of production, net value added, and net farm income for States, 1995-96, ranked by 1996 value of production

Rank ¹	State	1995			1996		
		Final agricultural output ²	Net value added ³	Net farm income ⁴	Final agricultural output ²	Net value added ³	Net farm income ⁴
<i>Thousand dollars</i>							
1	California	23,352,271	9,930,589	4,624,608	24,792,634	11,523,504	5,666,964
2	Texas	14,790,399	4,900,672	2,524,270	14,343,432	5,014,502	2,575,192
3	Iowa	11,433,350	4,693,575	2,186,059	13,968,612	6,790,736	3,969,021
4	Nebraska	9,266,456	3,359,386	1,801,545	10,860,155	4,865,490	3,075,464
5	Illinois	8,063,913	3,053,196	840,557	10,276,677	4,906,255	2,255,271
6	Minnesota	7,918,332	2,375,702	1,057,992	9,551,301	3,768,918	2,242,924
7	North Carolina	8,018,002	4,121,551	2,594,018	9,205,089	4,825,086	3,214,923
8	Kansas	8,017,178	2,298,036	1,052,199	8,903,012	3,126,572	1,728,327
9	Washington	5,822,929	2,544,530	928,242	6,604,022	3,367,295	1,599,341
10	Wisconsin	6,086,026	1,535,280	290,579	6,566,281	2,005,454	562,142
11	Arkansas	5,475,021	2,213,712	1,484,023	6,522,022	2,893,423	2,089,045
12	Georgia	5,830,977	2,580,404	1,963,368	6,466,893	2,900,216	2,244,004
13	Florida	6,200,109	3,025,065	1,813,059	6,432,993	3,031,291	1,764,697
14	Indiana	5,239,159	1,729,807	561,302	6,149,285	2,524,396	1,256,935
15	Missouri	4,724,825	1,191,664	309,319	5,928,665	2,246,652	1,201,525
16	Ohio	5,309,425	2,103,805	1,109,443	5,688,532	2,332,752	1,346,777
17	Colorado	4,628,941	1,316,538	635,349	4,740,818	1,533,901	843,535
18	Pennsylvania	4,183,119	1,124,563	547,628	4,624,795	1,547,534	934,293
19	South Dakota	3,432,137	1,418,392	654,502	4,344,839	2,268,578	1,331,949
20	Kentucky	3,743,439	1,613,238	962,589	4,225,767	1,991,662	1,282,953
21	North Dakota	3,253,568	1,300,107	339,362	4,098,962	2,073,130	964,047
22	Oklahoma	4,029,043	1,053,179	487,894	4,059,895	1,142,774	549,997
23	Mississippi	3,431,489	1,064,702	576,179	3,984,698	1,488,466	954,636
24	Alabama	3,473,144	1,257,170	864,814	3,838,373	1,476,174	1,081,499
25	Michigan	4,004,178	1,349,231	662,918	3,816,115	1,150,166	375,895
26	Oregon	3,477,519	1,441,210	353,111	3,800,853	1,775,280	618,721
27	Idaho	3,454,903	1,376,758	633,490	3,738,986	1,580,853	818,437
28	New York	3,111,578	842,670	283,773	3,311,896	1,054,965	462,487
29	Virginia	2,590,256	930,423	546,152	2,769,370	976,077	580,782
30	Tennessee	2,611,012	914,220	443,307	2,748,500	979,748	487,110
31	Louisiana	2,224,814	975,417	520,608	2,556,630	1,203,325	705,602
32	Arizona	2,286,039	1,046,825	660,758	2,311,390	1,106,340	718,852
33	Montana	2,250,814	970,161	413,165	2,192,128	900,070	334,898
34	New Mexico	1,658,289	682,166	382,857	1,849,157	668,656	368,468
35	Maryland	1,607,003	435,605	210,636	1,816,869	612,137	369,884
36	South Carolina	1,578,594	593,120	368,103	1,790,144	717,722	475,316
37	Utah	965,208	340,293	178,975	1,053,401	373,064	213,678
38	New Jersey	902,527	410,498	226,938	935,675	451,450	260,598
39	Wyoming	883,757	282,519	90,311	860,302	255,854	66,754
40	Delaware	754,840	158,550	93,177	855,446	208,581	138,075
41	Vermont	526,427	161,660	92,333	577,411	206,067	132,808
42	Connecticut	515,132	252,869	146,838	553,571	298,309	186,913
43	Maine	513,847	160,214	52,634	548,949	197,967	86,846
44	Massachusetts	497,738	225,861	117,191	535,977	264,816	150,569
45	Hawaii	530,288	226,343	11,397	519,867	213,721	(2,004)
46	West Virginia	482,690	104,744	42,948	474,314	76,254	13,104
47	Nevada	338,006	108,752	47,585	359,701	117,039	56,109
48	New Hampshire	172,610	67,831	37,137	181,936	75,715	43,302
49	Rhode Island	89,074	53,985	40,536	92,332	51,123	36,978
50	Alaska	34,599	17,296	11,195	34,979	16,403	10,328
	United States	203,784,950	75,934,040	36,876,928	226,463,634	95,176,442	52,445,950

¹Rankings for States and commodities available on Internet at www.econ.ag.gov/briefing/fbe/fi/fi.htm

²Total value of all commodities and services produced in the sector.

³Final sector output less intermediate consumption outlays, net government transactions, and capital consumption. It is the sum of the contributions of all factors of production, regardless of ownership.

⁴Net value added less payments to factors of production is the residual returns to operators.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 2-5—Ranking of States for net farm income, value of production per acre, and net farm income per acre, 1996

Rank ¹	State	Net farm income	State	Value of production	State	Net farm income
		<i>Thousand dollars</i>		<i>Dollars per acre</i>		<i>Dollars per acre</i>
1	California	5,662,985	Delaware	1,514	Rhode Island	587
2	Iowa	3,969,022	Rhode Island	1,466	Connecticut	405
3	North Carolina	3,374,008	Connecticut	1,369	North Carolina	367
4	Nebraska	3,075,464	New Jersey	1,114	New Jersey	310
5	Texas	2,573,495	North Carolina	1,018	Massachusetts	249
6	Illinois	2,255,272	Massachusetts	925	Delaware	244
7	Minnesota	2,242,923	Maryland	866	Georgia	189
8	Georgia	2,233,736	California	826	California	189
9	Arkansas	2,101,176	Florida	625	Maryland	177
10	Florida	1,769,062	Pennsylvania	602	Florida	172
11	Kansas	1,728,549	Georgia	547	Arkansas	140
12	Washington	1,599,341	Arkansas	436	Pennsylvania	123
13	South Dakota	1,331,947	New York	430	Iowa	120
14	Ohio	1,327,718	Vermont	428	Alabama	110
15	Indiana	1,240,962	New Hampshire	423	Washington	102
16	Missouri	1,194,572	Iowa	421	New Hampshire	101
17	Alabama	1,074,115	Washington	421	South Carolina	99
18	Kentucky	1,045,863	Maine	410	Vermont	98
19	North Dakota	964,049	Alabama	391	Ohio	88
20	Mississippi	963,672	Wisconsin	391	Louisiana	81
21	Pennsylvania	945,911	Indiana	386	Illinois	80
22	Colorado	843,535	Ohio	375	Indiana	78
23	Idaho	818,438	Illinois	366	Mississippi	76
24	Arizona	721,619	South Carolina	362	Minnesota	75
25	Louisiana	700,944	Michigan	360	Kentucky	75
26	Oregon	618,721	Hawaii	327	Virginia	66
27	Virginia	567,940	Virginia	321	Nebraska	65
28	Wisconsin	560,396	Minnesota	321	Maine	65
29	Oklahoma	551,396	Mississippi	317	Idaho	61
30	South Carolina	492,747	Louisiana	293	New York	60
31	New York	462,487	Kentucky	285	Missouri	40
32	Tennessee	386,142	Idaho	277	Kansas	36
33	Michigan	375,895	Nebraska	231	Michigan	35
34	Maryland	372,622	Tennessee	224	Oregon	35
35	New Mexico	363,356	Oregon	217	Wisconsin	33
36	Montana	334,898	Missouri	197	Tennessee	33
37	New Jersey	260,597	Kansas	186	South Dakota	30
38	Utah	213,677	Colorado	146	Colorado	26
39	Connecticut	153,730	West Virginia	127	North Dakota	24
40	Massachusetts	141,852	Oklahoma	119	Arizona	20
41	Delaware	138,075	Texas	111	Texas	20
42	Vermont	132,808	North Dakota	102	Utah	19
43	Maine	86,846	South Dakota	99	Oklahoma	16
44	Wyoming	66,755	Utah	96	Alaska	11
45	Nevada	56,109	Arizona	65	New Mexico	8
46	New Hampshire	43,302	New Mexico	42	Nevada	6
47	Rhode Island	36,979	Nevada	41	Montana	6
48	West Virginia	10,332	Alaska	38	West Virginia	3
49	Alaska	10,328	Montana	37	Wyoming	2
50	Hawaii	-2,004	Wyoming	25	Hawaii	-1
	United States	52,194,363	United States	233	United States	54

¹Rankings for States and commodities available on Internet at www.econ.ag.gov/briefing/fbe/fi/fi.htm
Source: Economic Research Service, U.S. Department of Agriculture.

Farm Assets, Debt, and Equity Up in 1996

Ken Erickson

Farm equity (in nominal dollars) has increased steadily since 1990 as asset values have risen faster than farm debt. U.S. farm sector equity (wealth) fell from a peak of \$799 billion in 1980 to \$546 billion in 1986, then rose sharply to \$879 billion in 1996. Growth in real estate assets has been the major component of expanding farm asset values. Texas, California, Illinois, Iowa, and Nebraska were the top five States ranked according to value of farm assets and farm equity in 1996.

Farm Asset Values Continue To Grow

Farm business real estate assets for 1996 were 5.8 percent greater than in 1995, raising total farm assets 5 percent for the year. In fact, growth in real estate assets has been the major component of expanding asset values since 1992 (fig. 3-2). While real estate assets have grown 28 percent since 1991, nonreal estate assets have increased only 5 percent (table 3-2). Real estate values have grown at slightly increasing rates each year since the beginning of the 1990's.

Farm Sector Debt Rose for Second Consecutive Year

Farm debt rose more than \$5 billion from 1995 to 1996, a 3.4-percent increase. Nonreal estate debt has grown more rapidly than real estate debt since 1991 (fig. 3-3). Nonreal estate debt rose nearly \$3 billion, a 3.8-percent increase over 1995. This increase in farm debt, the fourth consecutive annual increase, reflects both farm investors' positive view of the future of the farm sector—stable to growing returns on their investments—and the favorable interest rate environ-

ment. Farmers appear increasingly willing to purchase new machinery and equipment and invest in farmland.

Farm Equity Rose 4.7 Percent

Farm equity rose from \$834.3 billion in 1995 to \$878.7 billion in 1996. Farm equity has increased since 1991, as asset values have risen faster than farm debt (fig. 3-4). When adjusted for inflation (1992 dollars), the value of farm wealth increased from \$775.4 billion in 1995 to \$801.1 billion in 1996 (fig. 3.1).

Farm Equity Highest in Texas, California, Illinois, Iowa, and Nebraska

Collectively, Texas, California, Illinois, Iowa, and Nebraska held about one-third of the Nation's farm assets in 1996. Texas recorded the greatest asset value, \$85.8 billion, up 6.2 percent from 1995. Texas also ranked first in equity value at \$75.9 billion. California ranked second in farm assets with \$79.3 billion and second in equity with \$64.4 billion. California's farm sector also carried more total debt (\$14.9 billion) than any other State.

The most rapid rate of asset growth was Massachusetts (9.3 percent). The most rapid rate of growth of farm equity was Rhode Island (16.6 percent) (table 3-1). Massachusetts, Connecticut, Nebraska, Rhode Island, and Indiana are the top five States ranked in order of the percentage growth of asset values. Utah had the most rapid rate of increase in farm debt from 1995 to 1996 (up 36.1 percent), perhaps reflecting increased investment in hog operations.

Figure 3-1
Farm business equity in current and real (1992) dollars, 1970-96

In real dollars, equity at 10-year plateau

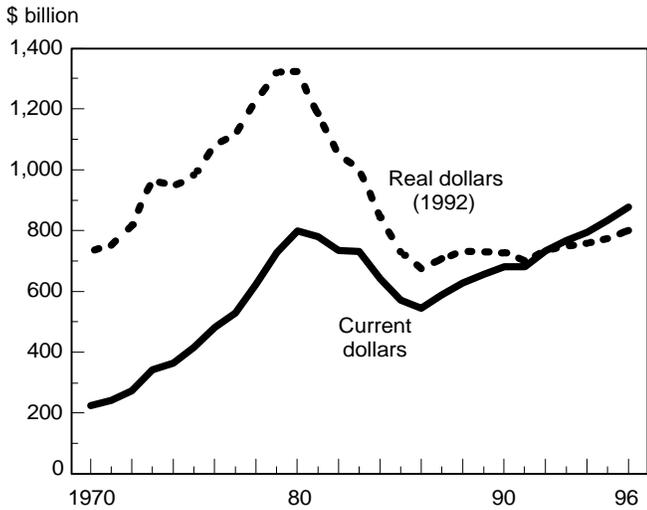


Figure 3-2
Farm sector asset value, 1992-96

Farm assets growing, due mostly to increasing land values

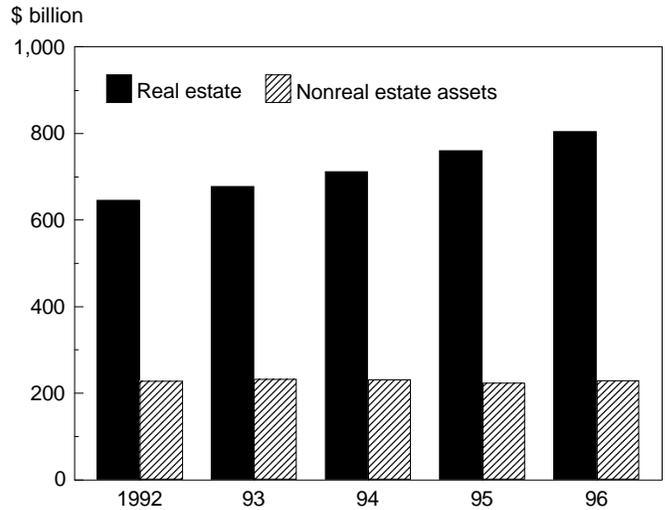


Figure 3-3
Farm sector debt, 1992-96

Farm debt rising; nonreal estate debt rising faster than real estate debt

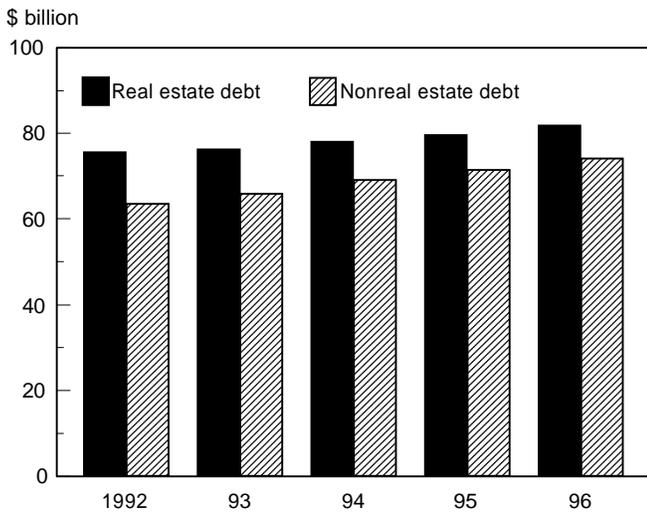


Figure 3-4
Farm assets and debt, 1992-96

Farm assets growing faster than debt

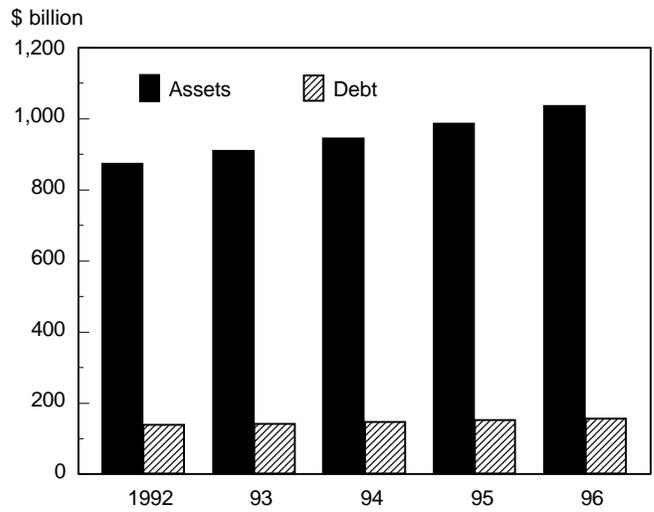


Table 3-1—Farm business balance sheet components for 1996 by State, with percentage changes from 1995

State	Total farm business assets	Percentage change from 1995	Real estate assets	Percentage change from 1995	Nonreal estate assets	Percentage change from 1995	Total farm debt	Percentage change from 1995	Farm business equity	Percentage change from 1995
	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>
Alabama	14,614,594	2.06	11,636,513	4.19	2,978,081	-5.50	1,605,264	3.02	13,009,330	1.94
Alaska	612,015	5.98	268,297	5.13	343,718	6.66	12,670	7.18	599,345	5.96
Arizona	15,282,719	4.97	14,080,434	5.26	1,202,285	1.65	1,056,902	-12.58	14,225,817	6.56
Arkansas	18,325,994	4.25	13,351,003	0.76	4,974,991	14.92	3,687,302	1.99	14,638,692	4.83
California	79,314,754	4.27	68,077,459	4.41	11,237,295	3.46	14,916,997	4.14	64,397,757	4.31
Colorado	21,668,915	5.39	17,028,063	5.73	4,640,852	4.15	3,504,812	6.67	18,164,103	5.15
Connecticut	2,651,054	8.99	2,362,896	10.13	288,158	0.44	210,876	5.66	2,440,178	9.29
Delaware	1,859,365	6.70	1,564,153	9.05	295,212	-4.24	307,239	-2.12	1,552,126	8.63
Florida	25,990,695	-0.23	22,137,946	-0.26	3,852,749	-0.07	3,895,128	-1.35	22,095,567	-0.03
Georgia	18,469,951	2.79	14,123,381	5.30	4,346,570	-4.60	3,316,349	5.20	15,153,602	2.28
Hawaii	4,715,824	4.24	4,341,448	5.00	374,376	-3.78	207,109	2.16	4,508,715	4.34
Idaho	14,939,737	3.86	11,381,286	6.08	3,558,451	-2.64	2,558,890	-1.68	12,380,847	5.09
Illinois	68,477,866	5.95	57,088,415	6.69	11,389,451	2.40	8,664,632	7.17	59,813,234	5.78
Indiana	34,447,386	7.81	27,117,701	9.38	7,329,685	2.35	4,938,764	3.84	29,508,622	8.50
Iowa	63,828,315	7.52	48,013,338	8.88	15,814,977	3.59	11,641,687	6.38	52,186,628	7.77
Kansas	33,910,885	5.58	24,814,485	3.98	9,096,400	10.23	6,039,266	0.28	27,871,619	6.81
Kentucky	21,916,217	3.08	16,965,754	4.55	4,950,463	-1.66	3,082,203	7.35	18,834,014	2.41
Louisiana	8,360,995	-10.22	9,235,350	2.19	-874,355	-417.93	1,461,227	-9.31	6,899,768	-10.41
Maine	2,074,681	-0.35	1,479,943	0.70	594,738	-2.86	349,672	3.58	1,725,009	-1.11
Maryland	8,406,560	3.36	7,107,707	4.55	1,298,853	-2.69	981,904	1.56	7,424,656	3.60
Massachusetts	3,453,625	9.28	2,971,999	10.77	481,626	0.89	258,350	8.17	3,195,275	9.37
Michigan	19,149,247	5.68	13,856,510	7.82	5,292,737	0.47	2,850,727	4.72	16,298,520	5.85
Minnesota	39,731,119	4.49	26,901,563	6.56	12,829,556	0.39	8,104,174	5.15	31,626,945	4.32
Mississippi	13,654,155	4.24	9,912,042	2.78	3,742,113	8.31	2,389,478	-4.52	11,264,677	6.31
Missouri	34,597,853	5.05	25,572,781	6.18	9,025,072	1.97	5,565,936	6.76	29,031,917	4.73
Montana	21,055,972	5.39	16,543,081	5.36	4,512,891	5.53	2,610,255	1.66	18,445,717	5.95
Nebraska	40,718,695	8.43	29,700,773	7.59	11,017,922	10.75	8,111,378	5.33	32,607,317	9.23
Nevada	3,181,241	5.61	2,613,855	5.42	567,386	6.51	229,648	-2.80	2,951,593	6.33
New Hampshire	1,059,276	0.77	923,066	0.85	136,210	0.25	80,224	7.27	979,052	0.28
New Jersey	6,680,566	0.23	6,026,919	0.24	653,647	0.22	531,556	27.28	6,149,010	-1.57
New Mexico	13,210,747	6.62	11,387,062	8.03	1,823,685	-1.41	1,271,649	7.63	11,939,098	6.51
New York	13,167,075	3.59	9,034,089	4.28	4,132,986	2.13	2,111,962	-3.01	11,055,113	4.96
North Carolina	20,788,910	2.94	15,650,238	1.80	5,138,672	6.60	3,468,200	5.73	17,320,710	2.40
North Dakota	22,307,756	4.59	15,407,786	6.78	6,899,970	-0.01	3,880,898	4.31	18,426,858	4.65
Ohio	34,036,724	5.90	26,909,096	6.08	7,127,628	5.19	3,775,302	9.66	30,261,422	5.44
Oklahoma	22,670,447	4.89	16,485,853	4.20	6,184,594	6.77	3,992,693	3.66	18,677,754	5.16
Oregon	18,182,458	6.23	14,527,289	7.76	3,655,169	0.54	2,184,210	-0.25	15,998,248	7.18
Pennsylvania	22,078,631	4.44	16,962,094	4.99	5,116,537	2.64	2,530,714	1.39	19,547,917	4.84
Rhode Island	460,153	8.19	414,739	9.66	45,414	-3.63	35,411	-42.06	424,742	16.62
South Carolina	7,684,559	1.79	5,865,255	2.71	1,819,304	-1.08	862,002	2.11	6,822,557	1.75
South Dakota	20,041,811	4.30	13,036,437	1.88	7,005,374	9.12	3,799,784	2.30	16,242,027	4.78
Tennessee	20,638,390	5.48	15,946,006	8.13	4,692,384	-2.63	2,152,146	3.59	18,486,244	5.70
Texas	85,848,897	6.21	68,661,940	7.68	17,186,957	0.74	9,960,056	-1.96	75,888,841	7.39
Utah	8,522,064	6.76	7,145,018	7.60	1,377,046	2.59	938,550	36.12	7,583,514	3.98
Vermont	2,507,159	0.74	1,816,755	1.04	690,404	-0.04	367,261	5.54	2,139,898	-0.04
Virginia	18,532,949	5.01	14,804,210	4.23	3,728,739	8.23	1,817,206	-1.32	16,715,743	5.75
Washington	20,876,446	7.55	16,948,354	10.12	3,928,092	-2.29	3,125,860	2.24	17,750,586	8.54
West Virginia	3,792,110	2.97	3,018,862	3.63	773,248	0.47	392,425	0.26	3,399,685	3.29
Wisconsin	27,698,983	4.20	17,357,688	6.38	10,341,295	0.73	5,363,215	3.15	22,335,768	4.45
Wyoming	8,669,474	6.71	6,819,177	6.80	1,850,297	6.38	954,707	3.92	7,714,767	7.06
United States	1,034,870,969	5.02	805,396,109	5.79	229,474,860	2.42	156,154,870	3.39	878,716,099	5.32

Source: Economic Research Service, U.S. Department of Agriculture.

Table 3-2—Farm business balance sheet components for 1996 by State, with percentage changes from 1991

State	Total farm business assets	Percentage change from 1991	Real estate assets	Percentage change from 1991	Nonreal estate assets	Percentage change from 1991	Total farm debt	Percentage change from 1991	Farm business equity	Percentage change from 1991
	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>
Alabama	14,614,594	36.38	11,636,513	50.43	2,978,081	-0.08	1,605,264	14.11	13,009,330	39.75
Alaska	612,015	18.44	268,297	13.27	343,718	22.81	12,670	-45.30	599,345	21.43
Arizona	15,282,719	28.22	14,080,434	31.31	1,202,285	0.57	1,056,902	-17.93	14,225,817	33.82
Arkansas	18,325,994	18.12	13,351,003	16.11	4,974,991	23.89	3,687,302	18.49	14,638,692	18.03
California	79,314,754	13.91	68,077,459	14.96	11,237,295	7.96	14,916,997	13.80	64,397,757	13.94
Colorado	21,668,915	33.31	17,028,063	43.38	4,640,852	5.98	3,504,812	23.56	18,164,103	35.37
Connecticut	2,651,054	27.07	2,362,896	32.67	288,158	-5.64	210,876	5.19	2,440,178	29.39
Delaware	1,859,365	41.47	1,564,153	53.88	295,212	-0.90	307,239	1.84	1,552,126	53.27
Florida	25,990,695	7.71	22,137,946	9.58	3,852,749	-1.90	3,895,128	9.62	22,095,567	7.38
Georgia	18,469,951	24.14	14,123,381	32.23	4,346,570	3.55	3,316,349	20.02	15,153,602	25.08
Hawaii	4,715,824	12.61	4,341,448	16.48	374,376	-18.69	207,109	-28.19	4,508,715	15.63
Idaho	14,939,737	28.80	11,381,286	38.15	3,558,451	5.89	2,558,890	3.68	12,380,847	35.59
Illinois	68,477,866	34.27	57,088,415	40.14	11,389,451	10.97	8,664,632	18.58	59,813,234	36.90
Indiana	34,447,386	35.75	27,117,701	44.45	7,329,685	11.01	4,938,764	7.89	29,508,622	41.88
Iowa	63,828,315	25.85	48,013,338	33.51	15,814,977	7.18	11,641,687	17.98	52,186,628	27.75
Kansas	33,910,885	18.15	24,814,485	22.67	9,096,400	7.36	6,039,266	9.54	27,871,619	20.20
Kentucky	21,916,217	28.20	16,965,754	43.85	4,950,463	-6.62	3,082,203	12.19	18,834,014	31.26
Louisiana	8,360,995	-1.15	9,235,350	27.05	-874,355	-173.56	1,461,227	-14.55	6,899,768	2.25
Maine	2,074,681	14.31	1,479,943	18.84	594,738	4.42	349,672	26.07	1,725,009	12.19
Maryland	8,406,560	36.78	7,107,707	47.84	1,298,853	-2.94	981,904	3.74	7,424,656	42.80
Massachusetts	3,453,625	17.58	2,971,999	19.77	481,626	5.68	258,350	-12.43	3,195,275	20.93
Michigan	19,149,247	26.68	13,856,510	36.67	5,292,737	6.32	2,850,727	10.53	16,298,520	30.00
Minnesota	39,731,119	13.14	26,901,563	15.12	12,829,556	9.22	8,104,174	22.28	31,626,945	11.02
Mississippi	13,654,155	18.37	9,912,042	19.15	3,742,113	16.34	2,389,478	-3.24	11,264,677	24.26
Missouri	34,597,853	24.02	25,572,781	31.89	9,025,072	6.09	5,565,936	21.10	29,031,917	24.60
Montana	21,055,972	27.20	16,543,081	36.23	4,512,891	2.35	2,610,255	5.49	18,445,717	31.02
Nebraska	40,718,695	24.29	29,700,773	29.44	11,017,922	12.26	8,111,378	22.81	32,607,317	24.67
Nevada	3,181,241	20.90	2,613,855	27.61	567,386	-2.67	229,648	-4.24	2,951,593	23.42
New Hampshire	1,059,276	10.26	923,066	13.15	136,210	-6.01	80,224	18.68	979,052	9.62
New Jersey	6,680,566	13.47	6,026,919	14.41	653,647	5.47	531,556	22.02	6,149,010	12.79
New Mexico	13,210,747	24.00	11,387,062	28.33	1,823,685	2.43	1,271,649	19.44	11,939,098	24.51
New York	13,167,075	7.03	9,034,089	12.05	4,132,986	-2.52	2,111,962	4.82	11,055,113	7.46
North Carolina	20,788,910	31.12	15,650,238	33.09	5,138,672	25.47	3,468,200	27.96	17,320,710	31.78
North Dakota	22,307,756	20.66	15,407,786	26.80	6,899,970	8.90	3,880,898	16.44	18,426,858	21.59
Ohio	34,036,724	34.02	26,909,096	44.97	7,127,628	4.29	3,775,302	18.76	30,261,422	36.20
Oklahoma	22,670,447	10.08	16,485,853	14.88	6,184,594	-0.95	3,992,693	7.97	18,677,754	10.55
Oregon	18,182,458	46.98	14,527,289	60.81	3,655,169	9.55	2,184,210	-12.55	15,998,248	62.04
Pennsylvania	22,078,631	14.01	16,962,094	19.24	5,116,537	-0.47	2,530,714	6.54	19,547,917	15.05
Rhode Island	460,153	36.27	414,739	40.44	45,414	7.17	35,411	-0.47	424,742	40.60
South Carolina	7,684,559	9.79	5,865,255	13.81	1,819,304	-1.42	862,002	-5.15	6,822,557	12.02
South Dakota	20,041,811	11.33	13,036,437	11.14	7,005,374	11.68	3,799,784	11.14	16,242,027	11.37
Tennessee	20,638,390	26.42	15,946,006	36.10	4,692,384	1.81	2,152,146	7.81	18,486,244	29.01
Texas	85,848,897	14.10	68,661,940	19.56	17,186,957	-3.50	9,960,056	2.81	75,888,841	15.77
Utah	8,522,064	51.93	7,145,018	60.30	1,377,046	19.56	938,550	41.84	7,583,514	53.28
Vermont	2,507,159	10.64	1,816,755	13.37	690,404	4.06	367,261	6.49	2,139,898	11.39
Virginia	18,532,949	18.04	14,804,210	20.42	3,728,739	9.45	1,817,206	-5.86	16,715,743	21.39
Washington	20,876,446	25.42	16,948,354	33.96	3,928,092	-1.62	3,125,860	8.82	17,750,586	28.89
West Virginia	3,792,110	11.79	3,018,862	18.20	773,248	-7.74	392,425	-1.27	3,399,685	13.52
Wisconsin	27,698,983	20.74	17,357,688	36.44	10,341,295	1.19	5,363,215	13.30	22,335,768	22.67
Wyoming	8,669,474	37.27	6,819,177	47.68	1,850,297	8.96	954,707	10.51	7,714,767	41.51
United States	1,034,870,969	22.00	805,396,109	28.06	229,474,860	4.62	156,154,870	12.01	878,716,099	23.96

Source: Economic Research Service, U.S. Department of Agriculture.

Table 3-3—Farm business balance sheet components for 1996 by State, with percentage changes from 1986

State	Total farm business assets	Percentage change from 1986	Real estate assets	Percentage change from 1986	Nonreal estate assets	Percentage change from 1986	Total farm debt	Percentage change from 1986	Farm business equity	Percentage change from 1986
	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>	<i>Thousand dollars</i>	<i>Percent</i>
Alabama	14,614,594	52.19	11,636,513	61.91	2,978,081	23.27	1,605,264	-9.49	13,009,330	66.17
Alaska	612,015	14.00	268,297	-18.33	343,718	64.98	12,670	-63.12	599,345	19.27
Arizona	15,282,719	29.82	14,080,434	32.75	1,202,285	3.16	1,056,902	-38.45	14,225,817	41.48
Arkansas	18,325,994	35.95	13,351,003	29.05	4,974,991	58.72	3,687,302	14.63	14,638,692	42.64
California	79,314,754	43.81	68,077,459	48.15	11,237,295	22.12	14,916,997	9.56	64,397,757	55.03
Colorado	21,668,915	47.10	17,028,063	49.08	4,640,852	40.28	3,504,812	5.70	18,164,103	59.13
Connecticut	2,651,054	59.40	2,362,896	72.58	288,158	-1.95	210,876	7.29	2,440,178	66.39
Delaware	1,859,365	51.55	1,564,153	63.33	295,212	9.63	307,239	18.13	1,552,126	60.53
Florida	25,990,695	23.98	22,137,946	23.36	3,852,749	27.66	3,895,128	4.93	22,095,567	28.08
Georgia	18,469,951	35.84	14,123,381	38.86	4,346,570	26.89	3,316,349	-0.69	15,153,602	47.73
Hawaii	4,715,824	44.99	4,341,448	52.97	374,376	-9.69	207,109	-41.64	4,508,715	55.60
Idaho	14,939,737	53.63	11,381,286	62.07	3,558,451	31.71	2,558,890	-6.90	12,380,847	77.48
Illinois	68,477,866	70.11	57,088,415	84.28	11,389,451	22.79	8,664,632	4.98	59,813,234	86.91
Indiana	34,447,386	60.20	27,117,701	75.13	7,329,685	21.78	4,938,764	-7.98	29,508,622	82.88
Iowa	63,828,315	78.36	48,013,338	94.55	15,814,977	42.38	11,641,687	6.06	52,186,628	110.35
Kansas	33,910,885	44.30	24,814,485	50.89	9,096,400	28.93	6,039,266	4.65	27,871,619	57.20
Kentucky	21,916,217	45.20	16,965,754	58.35	4,950,463	13.03	3,082,203	0.35	18,834,014	56.66
Louisiana	8,360,995	-19.10	9,235,350	15.11	-874,355	-137.83	1,461,227	-39.16	6,899,768	-13.02
Maine	2,074,681	34.17	1,479,943	42.98	594,738	16.34	349,672	2.52	1,725,009	43.13
Maryland	8,406,560	50.18	7,107,707	64.70	1,298,853	1.31	981,904	5.29	7,424,656	59.15
Massachusetts	3,453,625	63.34	2,971,999	73.43	481,626	20.18	258,350	13.74	3,195,275	69.31
Michigan	19,149,247	47.84	13,856,510	60.39	5,292,737	22.71	2,850,727	-17.96	16,298,520	71.96
Minnesota	39,731,119	56.21	26,901,563	71.57	12,829,556	31.53	8,104,174	3.85	31,626,945	79.39
Mississippi	13,654,155	22.95	9,912,042	20.10	3,742,113	31.21	2,389,478	-25.74	11,264,677	42.81
Missouri	34,597,853	49.13	25,572,781	58.44	9,025,072	27.84	5,565,936	7.61	29,031,917	61.04
Montana	21,055,972	46.04	16,543,081	46.91	4,512,891	42.95	2,610,255	-18.19	18,445,717	64.29
Nebraska	40,718,695	59.39	29,700,773	66.90	11,017,922	42.13	8,111,378	21.11	32,607,317	72.99
Nevada	3,181,241	28.13	2,613,855	30.32	567,386	18.90	229,648	-38.36	2,951,593	39.87
New Hampshire	1,059,276	14.31	923,066	24.14	136,210	-25.62	80,224	14.78	979,052	14.27
New Jersey	6,680,566	86.91	6,026,919	100.15	653,647	16.09	531,556	36.73	6,149,010	93.03
New Mexico	13,210,747	68.40	11,387,062	73.81	1,823,685	40.99	1,271,649	12.01	11,939,098	77.94
New York	13,167,075	17.43	9,034,089	24.72	4,132,986	4.14	2,111,962	-14.03	11,055,113	26.26
North Carolina	20,788,910	36.85	15,650,238	36.34	5,138,672	38.44	3,468,200	17.40	17,320,710	41.55
North Dakota	22,307,756	34.05	15,407,786	32.37	6,899,970	37.98	3,880,898	-0.45	18,426,858	44.61
Ohio	34,036,724	62.15	26,909,096	79.62	7,127,628	18.62	3,775,302	3.24	30,261,422	74.59
Oklahoma	22,670,447	21.86	16,485,853	19.82	6,184,594	27.62	3,992,693	-6.49	18,677,754	30.30
Oregon	18,182,458	67.34	14,527,289	77.45	3,655,169	36.44	2,184,210	-19.53	15,998,248	96.27
Pennsylvania	22,078,631	40.30	16,962,094	52.91	5,116,537	10.18	2,530,714	8.68	19,547,917	45.79
Rhode Island	460,153	81.25	414,739	100.15	45,414	-2.69	35,411	42.30	424,742	85.48
South Carolina	7,684,559	46.88	5,865,255	60.01	1,819,304	16.14	862,002	-34.12	6,822,557	73.89
South Dakota	20,041,811	47.99	13,036,437	33.01	7,005,374	87.21	3,799,784	1.99	16,242,027	65.44
Tennessee	20,638,390	50.48	15,946,006	61.44	4,692,384	22.27	2,152,146	-4.10	18,486,244	61.16
Texas	85,848,897	7.62	68,661,940	3.55	17,186,957	27.71	9,960,056	-11.88	75,888,841	10.84
Utah	8,522,064	52.02	7,145,018	57.58	1,377,046	28.50	938,550	13.21	7,583,514	58.76
Vermont	2,507,159	17.24	1,816,755	22.15	690,404	6.03	367,261	13.03	2,139,898	18.00
Virginia	18,532,949	42.42	14,804,210	62.42	3,728,739	-4.35	1,817,206	-0.94	16,715,743	49.53
Washington	20,876,446	50.86	16,948,354	57.71	3,928,092	27.04	3,125,860	1.32	17,750,586	65.07
West Virginia	3,792,110	47.87	3,018,862	59.28	773,248	15.55	392,425	27.66	3,399,685	50.62
Wisconsin	27,698,983	34.38	17,357,688	48.65	10,341,295	15.73	5,363,215	-5.47	22,335,768	49.51
Wyoming	8,669,474	37.25	6,819,177	35.92	1,850,297	42.36	954,707	8.22	7,714,767	41.96
United States	1,034,870,969	42.79	805,396,109	48.51	229,474,860	25.79	156,154,870	-0.52	878,716,099	54.76

Source: Economic Research Service, U.S. Department of Agriculture.

Table 3-4—Farm business balance sheet, United States, December 31, 1992-96

Item	1992	1993	1994	1995	1996
			<i>Numbers</i>		
Farms	2,107,840	2,083,430	2,064,720	2,071,520	2,063,910
			<i>Thousand dollars</i>		
Farm assets	873,770,005	910,668,263	942,972,973	985,363,673	1,034,870,969
Real estate	646,336,932	678,333,181	712,377,849	761,304,027	805,396,109
Livestock and poultry ¹	70,962,162	72,778,679	67,912,189	57,778,086	60,143,401
Machinery and motor vehicles ²	85,312,665	85,947,336	86,661,526	86,662,014	85,474,749
Crops ³	24,167,846	23,282,537	23,066,282	27,238,265	30,589,207
Purchased inputs	3,946,492	3,789,677	5,036,668	3,371,612	4,361,891
Financial	43,043,908	46,536,853	47,918,459	49,009,669	48,905,612
Farm debt	139,250,069	142,199,727	147,079,289	151,042,037	156,154,870
By purpose:					
Real estate	75,619,055	76,272,365	77,959,458	79,559,811	81,929,727
Nonreal estate ⁴	63,631,014	65,927,362	69,119,831	71,482,226	74,225,143
By lender:					
Farm Credit System	35,821,193	35,517,886	35,867,550	37,410,827	39,834,474
Farm Service Agency	13,556,086	12,096,285	11,505,601	10,164,955	9,141,214
Commercial banks	51,721,212	54,598,564	57,889,146	60,106,304	61,697,359
Life insurance companies	8,783,056	9,007,115	9,050,305	9,116,242	9,493,434
Individuals and others	29,366,534	30,979,872	32,766,692	34,243,715	35,988,390
Equity	734,519,936	768,468,536	795,893,684	834,321,636	878,716,099
			<i>Percent</i>		
Ratio:					
Debt/equity	19.0	18.5	18.5	18.1	17.8
Debt/assets	15.9	15.6	15.6	15.3	15.1

¹Excludes horses, mules, and broilers.

²Include only farm share value for trucks and autos.

³All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

⁴Excludes debt for nonfarm purposes.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 3-5—Farm business balance sheet, Alabama and Alaska, December 31, 1992-96

Item	1992	1993	1994	1995	1996
Alabama					
	<i>Number</i>				
Farms	46,000	46,000	46,000	47,000	45,000
	<i>Thousand dollars</i>				
Farm assets	11,435,700	12,689,073	13,726,357	14,320,175	14,614,594
Real estate	8,413,984	9,427,878	10,518,967	11,168,653	11,636,513
Livestock and poultry ¹	974,423	1,068,280	951,141	745,387	665,730
Machinery and motor vehicles ²	1,165,202	1,190,127	1,211,593	1,233,497	1,170,297
Crops ³	121,143	124,726	113,489	149,025	50,802
Purchased inputs	26,092	31,661	53,443	42,139	59,860
Financial	734,856	846,401	877,724	981,474	1,031,392
Farm debt	1,393,317	1,438,384	1,470,769	1,558,219	1,605,264
By purpose:					
Real estate	697,183	722,275	713,902	757,592	796,130
Nonreal estate ⁴	696,134	716,109	756,867	800,627	809,134
By lender:					
Farm Credit System	358,198	360,840	372,844	420,735	463,379
Farm Service Agency ⁵	141,313	117,814	105,015	90,345	87,859
Commercial banks	519,743	574,734	590,203	630,868	614,185
Life insurance companies	44,654	35,364	31,333	25,089	24,235
Individuals and others	329,373	349,633	371,373	391,181	415,605
Equity	10,042,383	11,250,689	12,255,588	12,761,956	13,009,330
	<i>Percent</i>				
Ratio:					
Debt/equity	13.9	12.8	12.0	12.2	12.3
Debt/assets	12.2	11.3	10.7	10.9	11.0
Alaska					
	<i>Number</i>				
Farms	540	530	520	520	510
	<i>Thousand dollars</i>				
Farm assets	526,813	558,522	594,627	577,470	612,015
Real estate	225,349	232,351	237,214	255,210	268,297
Livestock and poultry ¹	5,362	5,533	6,668	7,085	7,434
Machinery and motor vehicles ²	19,735	19,784	19,761	19,690	19,136
Crops ³	0	623	0	0	0
Purchased inputs	639	602	790	525	676
Financial	275,728	299,629	330,194	294,960	316,472
Farm debt	17,853	15,619	16,046	11,821	12,670
By purpose:					
Real estate	11,359	9,974	10,014	6,137	7,179
Nonreal estate ⁴	6,494	5,645	6,032	5,684	5,491
By lender:					
Farm Credit System	2,010	898	738	541	497
Farm Service Agency ⁵	521	502	452	531	1,240
Commercial banks	6,096	5,427	6,228	2,868	2,687
Life insurance companies	2,454	1,644	1,059	0	0
Individuals and others	6,773	7,147	7,570	7,880	8,244
Equity	508,960	542,903	578,581	565,649	599,345
	<i>Percent</i>				
Ratio:					
Debt/equity	3.5	2.9	2.8	2.1	2.1
Debt/assets	3.4	2.8	2.7	2.1	2.1

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Arizona and Arkansas, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Arizona					
	<i>Number</i>				
Farms	7,500	7,400	7,400	7,400	7,500
	<i>Thousand dollars</i>				
Farm assets	11,958,495	12,177,234	12,859,092	14,559,233	15,282,719
Real estate	10,739,212	10,958,423	11,633,120	13,376,412	14,080,434
Livestock and poultry ¹	569,829	557,145	533,166	477,132	486,160
Machinery and motor vehicles ²	373,066	375,966	382,747	381,376	383,024
Crops ³	29,644	29,987	30,229	56,705	42,630
Purchased inputs	39,408	35,828	46,805	30,643	38,667
Financial	207,336	219,885	233,025	236,965	251,804
Farm debt	1,175,491	1,212,092	1,241,387	1,208,950	1,056,902
By purpose:					
Real estate	506,298	493,764	471,309	483,976	472,411
Nonreal estate ⁴	669,193	718,328	770,078	724,974	584,491
By lender:					
Farm Credit System	175,743	188,788	184,674	218,851	249,170
Farm Service Agency ⁵	139,578	134,131	133,726	105,305	65,457
Commercial banks	367,816	388,740	431,920	386,548	240,630
Life insurance companies	195,536	185,992	157,448	148,601	132,331
Individuals and others	296,817	314,440	333,619	349,646	369,315
Equity	10,783,004	10,965,142	11,617,705	13,350,283	14,225,817
	<i>Percent</i>				
Ratio:					
Debt/equity	10.9	11.1	10.7	9.1	7.4
Debt/assets	9.8	10.0	9.7	8.3	6.9
Arkansas					
	<i>Number</i>				
Farms	45,000	45,000	44,000	43,000	43,000
	<i>Thousand dollars</i>				
Farm assets	16,296,254	17,067,304	17,581,818	17,579,246	18,325,994
Real estate	12,242,416	12,611,548	13,124,209	13,250,075	13,351,003
Livestock and poultry ¹	1,127,570	1,222,180	1,220,845	957,215	897,617
Machinery and motor vehicles ²	1,674,884	1,710,711	1,702,866	1,658,201	1,643,164
Crops ³	174,901	250,424	168,586	291,548	914,366
Purchased inputs	34,387	26,065	32,940	21,477	28,346
Financial	1,042,096	1,246,376	1,332,372	1,400,730	1,491,498
Farm debt	3,118,245	3,333,264	3,403,683	3,615,478	3,687,302
By purpose:					
Real estate	1,772,798	1,859,066	1,904,000	2,002,824	2,074,898
Nonreal estate ⁴	1,345,447	1,474,198	1,499,683	1,612,654	1,612,404
By lender:					
Farm Credit System	706,812	838,879	820,942	907,286	945,441
Farm Service Agency ⁵	448,010	378,683	349,481	298,605	268,842
Commercial banks	1,154,770	1,316,515	1,407,180	1,536,294	1,537,192
Life insurance companies	293,168	252,237	245,608	262,862	288,561
Individuals and others	515,402	546,949	580,472	610,429	647,266
Equity	13,178,009	13,734,040	14,178,135	13,963,768	14,638,692
	<i>Percent</i>				
Ratio:					
Debt/equity	23.7	24.3	24.0	25.9	25.2
Debt/assets	19.1	19.5	19.4	20.6	20.1

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, California and Colorado, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
California					
			<i>Number</i>		
Farms	82,000	79,000	79,000	80,000	82,000
			<i>Thousand dollars</i>		
Farm assets	71,695,939	71,311,697	71,072,238	76,063,937	79,314,754
Real estate	61,094,485	60,371,441	59,911,166	65,202,475	68,077,459
Livestock and poultry ¹	3,513,595	3,651,450	3,585,765	3,253,190	3,323,360
Machinery and motor vehicles ²	3,865,223	3,803,468	3,872,071	3,907,035	3,968,394
Crops ³	360,891	408,530	390,332	534,433	696,535
Purchased inputs	223,381	217,802	295,785	196,082	247,529
Financial	2,638,364	2,859,006	3,017,119	2,970,722	3,001,477
Farm debt	13,160,465	13,447,444	13,944,921	14,324,363	14,916,997
By purpose:					
Real estate	7,638,888	7,806,881	7,954,202	8,062,138	8,297,559
Nonreal estate ⁴	5,521,577	5,640,563	5,990,719	6,262,225	6,619,438
By lender:					
Farm Credit System	3,826,389	3,676,618	3,554,951	3,644,728	3,811,719
Farm Service Agency ⁵	596,765	567,817	593,682	499,072	322,722
Commercial banks	3,990,009	4,037,706	4,356,608	4,591,193	4,966,841
Life insurance companies	2,349,025	2,633,909	2,761,991	2,790,127	2,872,123
Individuals and others	2,398,269	2,531,393	2,677,688	2,799,243	2,943,592
Equity	58,535,474	57,864,253	57,127,317	61,739,574	64,397,757
			<i>Percent</i>		
Ratio:					
Debt/equity	22.5	23.2	24.4	23.2	23.2
Debt/assets	18.4	18.9	19.6	18.8	18.8
Colorado					
			<i>Number</i>		
Farms	25,500	25,500	25,300	25,000	24,500
			<i>Thousand dollars</i>		
Farm assets	17,158,962	18,836,867	19,756,159	20,560,329	21,668,915
Real estate	12,634,812	14,024,961	15,044,806	16,104,507	17,028,063
Livestock and poultry ¹	2,055,439	2,082,495	1,996,188	1,712,738	1,914,148
Machinery and motor vehicles ²	1,167,581	1,192,556	1,204,544	1,185,996	1,151,736
Crops ³	359,365	491,254	365,756	441,237	395,565
Purchased inputs	113,458	76,009	91,237	58,985	78,823
Financial	828,307	969,592	1,053,628	1,056,866	1,100,580
Farm debt	2,794,760	2,944,152	3,059,227	3,285,588	3,504,812
By purpose:					
Real estate	1,489,772	1,550,899	1,570,069	1,679,230	1,743,543
Nonreal estate ⁴	1,304,988	1,393,253	1,489,158	1,606,358	1,761,269
By lender:					
Farm Credit System	855,326	889,652	886,278	975,173	1,084,207
Farm Service Agency ⁵	143,723	133,814	124,343	116,983	124,620
Commercial banks	823,567	905,546	994,204	1,107,276	1,158,193
Life insurance companies	170,906	167,164	155,735	143,470	141,869
Individuals and others	801,132	847,977	898,669	942,685	995,922
Equity	14,364,202	15,892,715	16,696,932	17,274,741	18,164,103
			<i>Percent</i>		
Ratio:					
Debt/equity	19.5	18.5	18.3	19.0	19.3
Debt/assets	16.3	15.6	15.5	16.0	16.2

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Connecticut and Delaware, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Connecticut					
			<i>Number</i>		
Farms	4,000	3,800	3,800	3,800	3,800
			<i>Thousand dollars</i>		
Farm assets	2,292,923	2,412,675	2,387,032	2,432,406	2,651,054
Real estate	1,976,189	2,100,117	2,068,952	2,145,509	2,362,896
Livestock and poultry ¹	71,755	72,352	74,383	65,331	65,917
Machinery and motor vehicles ²	122,028	118,406	120,542	120,110	119,021
Crops ³	18,540	17,122	20,331	12,850	18,452
Purchased inputs	9,490	10,448	11,474	6,679	5,151
Financial	94,921	94,230	91,350	81,927	79,617
Farm debt	198,713	194,030	199,040	199,588	210,876
By purpose:					
Real estate	85,027	85,363	85,453	82,524	80,120
Nonreal estate ⁴	113,686	108,667	113,587	117,064	130,756
By lender:					
Farm Credit System	117,441	124,091	126,002	131,113	131,362
Farm Service Agency ⁵	17,429	15,976	15,960	12,801	14,466
Commercial banks	22,502	10,024	10,350	6,566	12,983
Life insurance companies	0	0	0	0	0
Individuals and others	41,339	43,939	46,727	49,108	52,067
Equity	2,094,210	2,218,645	2,187,992	2,232,818	2,440,178
			<i>Percent</i>		
Ratio:					
Debt/equity	9.5	8.8	9.1	8.9	8.6
Debt/assets	8.7	8.0	8.3	8.2	8.0
Delaware					
			<i>Number</i>		
Farms	2,700	2,500	2,500	2,500	2,500
			<i>Thousand dollars</i>		
Farm assets	1,433,333	1,543,086	1,628,845	1,742,663	1,859,365
Real estate	1,136,612	1,260,051	1,334,663	1,434,382	1,564,153
Livestock and poultry ¹	30,727	27,727	30,179	29,183	24,370
Machinery and motor vehicles ²	152,861	144,565	147,173	146,646	145,316
Crops ³	25,714	19,852	23,960	36,150	25,366
Purchased inputs	3,310	3,156	3,970	2,370	2,950
Financial	84,109	87,735	88,900	93,932	97,210
Farm debt	330,565	338,871	305,998	313,905	307,239
By purpose:					
Real estate	174,959	177,156	154,692	164,617	153,229
Nonreal estate ⁴	155,606	161,715	151,306	149,288	154,010
By lender:					
Farm Credit System	150,373	152,157	119,140	139,049	139,568
Farm Service Agency ⁵	12,198	10,642	12,326	7,917	10,473
Commercial banks	88,832	79,917	69,041	57,532	56,446
Life insurance companies	0	11,868	15,848	14,836	0
Individuals and others	79,162	84,287	89,641	94,572	100,752
Equity	1,102,768	1,204,215	1,322,847	1,428,758	1,552,126
			<i>Percent</i>		
Ratio:					
Debt/equity	30.0	28.1	23.1	22.0	19.8
Debt/assets	23.1	22.0	18.8	18.0	16.5

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Florida and Georgia, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Florida					
	<i>Number</i>				
Farms	39,000	39,000	39,000	39,000	40,000
	<i>Thousand dollars</i>				
Farm assets	23,739,856	25,106,691	25,487,771	26,051,187	25,990,695
Real estate	19,846,107	20,979,725	21,326,441	22,195,697	22,137,946
Livestock and poultry ¹	1,207,465	1,287,076	1,226,104	935,712	874,238
Machinery and motor vehicles ²	1,331,050	1,359,522	1,384,044	1,379,084	1,401,619
Crops ³	63,163	45,347	53,283	45,922	58,791
Purchased inputs	57,614	52,596	60,819	30,712	35,678
Financial	1,234,457	1,382,425	1,437,080	1,464,060	1,482,423
Farm debt	3,633,581	3,885,208	4,061,008	3,948,500	3,895,128
By purpose:					
Real estate	2,618,217	2,764,665	2,919,637	2,789,183	2,687,597
Nonreal estate ⁴	1,015,364	1,120,543	1,141,371	1,159,317	1,207,531
By lender:					
Farm Credit System	801,962	850,103	813,799	874,364	915,656
Farm Service Agency ⁵	230,973	216,632	198,279	164,631	135,763
Commercial banks	1,050,892	1,032,199	1,107,339	1,002,607	908,502
Life insurance companies	935,104	1,136,885	1,253,963	1,188,067	1,178,999
Individuals and others	614,588	649,390	687,628	718,831	756,209
Equity	20,106,275	21,221,483	21,426,763	22,102,687	22,095,567
	<i>Percent</i>				
Ratio:					
Debt/equity	18.1	18.3	19.0	17.9	17.6
Debt/assets	15.3	15.5	15.9	15.2	15.0
Georgia					
	<i>Number</i>				
Farms	46,000	46,000	45,000	45,000	43,000
	<i>Thousand dollars</i>				
Farm assets	16,078,603	16,366,185	17,148,697	17,968,514	18,469,951
Real estate	11,764,041	11,836,081	12,549,712	13,412,273	14,123,381
Livestock and poultry ¹	956,566	1,007,657	986,770	805,736	776,475
Machinery and motor vehicles ²	1,339,864	1,368,525	1,362,921	1,358,038	1,285,913
Crops ³	157,817	120,705	172,879	223,234	220,304
Purchased inputs	39,345	37,299	44,473	29,614	36,579
Financial	1,820,970	1,995,918	2,031,942	2,139,619	2,027,299
Farm debt	2,791,518	2,749,608	2,862,183	3,152,537	3,316,349
By purpose:					
Real estate	1,644,279	1,559,460	1,590,809	1,688,354	1,756,873
Nonreal estate ⁴	1,147,239	1,190,148	1,271,374	1,464,183	1,559,476
By lender:					
Farm Credit System	804,707	805,247	843,663	955,254	1,007,824
Farm Service Agency ⁵	358,051	295,269	261,154	215,847	138,035
Commercial banks	1,057,022	1,040,193	1,135,305	1,331,977	1,451,617
Life insurance companies	120,318	129,893	113,860	114,456	150,909
Individuals and others	451,347	479,006	508,201	535,004	567,965
Equity	13,287,085	13,616,577	14,286,514	14,815,977	15,153,602
	<i>Percent</i>				
Ratio:					
Debt/equity	21.0	20.2	20.0	21.3	21.9
Debt/assets	17.4	16.8	16.7	17.5	18.0

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Hawaii and Idaho, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Hawaii					
	<i>Number</i>				
Farms	4,800	4,800	4,800	4,800	4,600
	<i>Thousand dollars</i>				
Farm assets	4,061,244	4,402,466	4,227,627	4,523,798	4,715,824
Real estate	3,583,107	4,006,800	3,822,686	4,134,712	4,341,448
Livestock and poultry ¹	93,542	88,304	86,354	75,432	74,538
Machinery and motor vehicles ²	213,127	217,686	221,612	220,818	209,698
Crops ³	0	0	0	0	0
Purchased inputs	8,468	8,169	10,853	7,260	9,367
Financial	163,000	81,507	86,122	85,576	80,773
Farm debt	296,110	266,522	259,100	202,732	207,109
By purpose:					
Real estate	175,307	176,619	166,261	107,838	105,036
Nonreal estate ⁴	120,803	89,903	92,839	94,894	102,073
By lender:					
Farm Credit System	89,413	78,570	74,349	62,494	59,462
Farm Service Agency ⁵	40,500	41,673	39,989	40,668	50,728
Commercial banks	103,049	80,986	71,905	38,765	33,453
Life insurance companies	23,151	22,260	27,388	12,793	12,233
Individuals and others	39,996	43,034	45,471	48,013	51,234
Equity	3,765,134	4,135,944	3,968,527	4,321,066	4,508,715
	<i>Percent</i>				
Ratio:					
Debt/equity	7.9	6.4	6.5	4.7	4.6
Debt/assets	7.3	6.1	6.1	4.5	4.4
Idaho					
	<i>Number</i>				
Farms	21,000	20,500	20,500	21,500	22,000
	<i>Thousand dollars</i>				
Farm assets	11,741,944	12,901,943	13,338,078	14,384,345	14,939,737
Real estate	8,252,562	9,263,181	9,866,440	10,729,234	11,381,286
Livestock and poultry ¹	1,152,668	1,276,984	1,154,750	1,041,667	1,118,448
Machinery and motor vehicles ²	1,188,883	1,185,402	1,206,783	1,261,115	1,278,741
Crops ³	680,424	684,322	570,535	824,771	619,140
Purchased inputs	59,332	53,241	73,278	49,666	67,799
Financial	408,075	438,813	466,292	477,892	474,323
Farm debt	2,498,105	2,435,821	2,592,652	2,602,743	2,558,890
By purpose:					
Real estate	1,281,715	1,185,549	1,222,568	1,226,590	1,261,332
Nonreal estate ⁴	1,216,390	1,250,272	1,370,084	1,376,153	1,297,558
By lender:					
Farm Credit System	762,214	641,809	684,871	689,029	772,918
Farm Service Agency ⁵	290,764	260,056	253,442	213,570	238,767
Commercial banks	756,345	821,436	908,078	904,192	685,685
Life insurance companies	169,532	166,125	169,396	194,084	230,853
Individuals and others	519,192	546,397	576,866	601,867	630,668
Equity	9,243,839	10,466,122	10,745,426	11,781,602	12,380,847
	<i>Percent</i>				
Ratio:					
Debt/equity	27.0	23.3	24.1	22.1	20.7
Debt/assets	21.3	18.9	19.4	18.1	17.1

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Illinois and Indiana, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Illinois					
	<i>Number</i>				
Farms	81,000	79,000	77,000	77,000	76,000
	<i>Thousand dollars</i>				
Farm assets	51,397,715	55,151,573	58,860,048	64,629,936	68,477,866
Real estate	40,580,013	44,128,513	48,189,493	53,507,381	57,088,415
Livestock and poultry ¹	1,663,460	1,679,470	1,395,017	1,279,881	1,395,089
Machinery and motor vehicles ²	4,814,026	4,795,595	4,758,496	4,741,445	4,637,429
Crops ³	2,345,171	2,436,137	2,297,989	2,952,878	3,035,727
Purchased inputs	262,057	270,866	374,423	252,018	331,429
Financial	1,732,988	1,840,992	1,844,630	1,896,333	1,989,777
Farm debt	7,386,475	7,548,173	7,803,030	8,084,933	8,664,632
By purpose:					
Real estate	4,414,143	4,473,399	4,587,912	4,690,151	4,880,830
Nonreal estate ⁴	2,972,332	3,074,774	3,215,118	3,394,782	3,783,802
By lender:					
Farm Credit System	1,615,433	1,683,832	1,706,222	1,797,289	1,860,364
Farm Service Agency ⁵	409,378	360,287	340,288	301,861	357,496
Commercial banks	3,594,068	3,696,084	3,875,444	4,036,597	4,394,867
Life insurance companies	344,636	308,426	294,804	294,935	318,095
Individuals and others	1,422,788	1,499,544	1,586,272	1,654,253	1,733,809
Equity	44,011,240	47,603,400	51,057,018	56,545,003	59,813,234
	<i>Percent</i>				
Ratio:					
Debt/equity	16.8	15.9	15.3	14.3	14.5
Debt/assets	14.4	13.7	13.3	12.5	12.7
Indiana					
	<i>Number</i>				
Farms	65,000	63,000	63,000	62,000	61,000
	<i>Thousand dollars</i>				
Farm assets	26,843,644	28,309,989	29,784,485	31,952,616	34,447,386
Real estate	19,727,918	21,013,700	22,670,708	24,791,360	27,117,701
Livestock and poultry ¹	1,083,794	1,114,835	991,845	947,139	1,047,592
Machinery and motor vehicles ²	3,007,213	2,977,031	3,030,728	2,971,933	2,897,483
Crops ³	1,304,328	1,361,594	1,164,530	1,479,658	1,515,323
Purchased inputs	128,889	126,887	171,634	117,803	155,670
Financial	1,591,502	1,715,942	1,755,040	1,644,723	1,713,617
Farm debt	4,558,848	4,508,592	4,674,395	4,756,218	4,938,764
By purpose:					
Real estate	2,972,305	2,977,447	3,031,351	3,039,902	3,082,734
Nonreal estate ⁴	1,586,543	1,531,145	1,643,044	1,716,316	1,856,030
By lender:					
Farm Credit System	1,093,475	1,029,143	1,106,520	1,119,375	1,191,329
Farm Service Agency ⁵	317,996	275,845	250,658	211,496	250,747
Commercial banks	1,770,304	1,756,236	1,775,312	1,832,195	1,821,331
Life insurance companies	233,694	246,360	274,737	273,332	295,734
Individuals and others	1,143,378	1,201,009	1,267,168	1,319,819	1,379,623
Equity	22,284,796	23,801,397	25,110,090	27,196,398	29,508,622
	<i>Percent</i>				
Ratio:					
Debt/equity	20.5	18.9	18.6	17.5	16.7
Debt/assets	17.0	15.9	15.7	14.9	14.3

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Iowa and Kansas, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Iowa					
	<i>Number</i>				
Farms	103,000	102,000	101,000	100,000	98,000
	<i>Thousand dollars</i>				
Farm assets	53,119,895	54,401,432	56,176,681	59,365,698	63,828,315
Real estate	37,658,820	39,424,083	41,154,874	44,098,875	48,013,338
Livestock and poultry ¹	4,048,760	4,006,219	3,325,065	3,108,470	3,443,658
Machinery and motor vehicles ²	5,927,972	5,995,992	6,044,298	5,963,009	5,790,755
Crops ³	2,814,652	2,166,158	2,589,362	3,166,771	3,376,822
Purchased inputs	323,461	335,601	463,310	315,885	407,458
Financial	2,346,230	2,473,379	2,599,772	2,712,688	2,796,284
Farm debt	9,990,255	10,443,998	10,735,776	10,943,053	11,641,687
By purpose:					
Real estate	5,605,815	5,808,371	6,034,648	6,202,480	6,503,303
Nonreal estate ⁴	4,384,440	4,635,627	4,701,128	4,740,573	5,138,384
By lender:					
Farm Credit System	1,534,089	1,566,163	1,573,316	1,611,444	1,809,099
Farm Service Agency ⁵	596,144	532,347	533,757	493,439	523,927
Commercial banks	4,601,015	4,958,565	5,125,550	5,229,544	5,529,543
Life insurance companies	460,557	446,608	399,712	386,766	414,406
Individuals and others	2,798,356	2,940,317	3,103,442	3,225,861	3,364,712
Equity	43,129,640	43,957,434	45,440,905	48,422,645	52,186,628
	<i>Percent</i>				
Ratio:					
Debt/equity	23.2	23.8	23.6	22.6	22.3
Debt/assets	18.8	19.2	19.1	18.4	18.2
Kansas					
	<i>Number</i>				
Farms	67,000	65,000	65,000	66,000	66,000
	<i>Thousand dollars</i>				
Farm assets	29,294,980	30,856,928	31,918,097	32,117,154	33,910,885
Real estate	20,336,332	21,899,275	23,025,285	23,865,062	24,814,485
Livestock and poultry ¹	3,732,138	3,853,296	3,548,830	2,924,415	3,419,179
Machinery and motor vehicles ²	3,288,277	3,258,358	3,317,130	3,356,093	3,325,659
Crops ³	696,460	483,146	612,081	542,841	841,792
Purchased inputs	116,109	111,516	151,087	98,800	127,619
Financial	1,125,664	1,251,337	1,263,684	1,329,943	1,382,151
Farm debt	5,578,692	5,790,020	5,934,021	6,022,218	6,039,266
By purpose:					
Real estate	2,491,897	2,551,312	2,593,830	2,675,021	2,692,470
Nonreal estate ⁴	3,086,795	3,238,708	3,340,191	3,347,197	3,346,796
By lender:					
Farm Credit System	1,198,415	1,222,974	1,223,464	1,280,843	1,327,327
Farm Service Agency ⁵	338,490	309,349	300,353	279,287	319,474
Commercial banks	2,772,689	2,916,332	3,001,832	2,995,844	2,842,534
Life insurance companies	141,806	144,754	138,135	130,316	132,937
Individuals and others	1,127,292	1,196,611	1,270,236	1,335,929	1,416,994
Equity	23,716,288	25,066,908	25,984,076	26,094,936	27,871,619
	<i>Percent</i>				
Ratio:					
Debt/equity	23.5	23.1	22.8	23.1	21.7
Debt/assets	19.0	18.8	18.6	18.8	17.8

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Kentucky and Louisiana, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Kentucky					
			<i>Number</i>		
Farms	91,000	91,000	89,000	89,000	88,000
			<i>Thousand dollars</i>		
Farm assets	18,005,580	18,851,608	20,025,441	21,261,485	21,916,217
Real estate	12,855,648	13,539,403	14,721,136	16,227,527	16,965,754
Livestock and poultry ¹	1,524,098	1,562,521	1,506,020	1,286,420	1,081,350
Machinery and motor vehicles ²	1,892,266	1,932,743	1,924,360	1,917,465	1,878,727
Crops ³	613,575	645,979	668,243	602,408	686,500
Purchased inputs	80,510	87,338	130,718	97,610	136,863
Financial	1,039,483	1,083,624	1,074,964	1,130,055	1,167,023
Farm debt	2,693,575	2,593,921	2,767,833	2,871,091	3,082,203
By purpose:					
Real estate	1,697,819	1,721,797	1,743,771	1,806,063	1,864,195
Nonreal estate ⁴	995,756	872,124	1,024,062	1,065,028	1,218,008
By lender:					
Farm Credit System	616,825	495,349	653,838	714,703	799,389
Farm Service Agency ⁵	338,250	301,221	282,931	253,836	310,789
Commercial banks	1,165,200	1,208,391	1,261,593	1,317,428	1,360,654
Life insurance companies	113,010	103,011	54,970	48,620	48,772
Individuals and others	460,287	485,950	514,501	536,506	562,599
Equity	15,312,005	16,257,687	17,257,608	18,390,394	18,834,014
			<i>Percent</i>		
Ratio:					
Debt/equity	17.6	16.0	16.0	15.6	16.4
Debt/assets	15.0	13.8	13.8	13.5	14.1
Louisiana					
			<i>Number</i>		
Farms	29,000	29,000	28,000	27,000	27,000
			<i>Thousand dollars</i>		
Farm assets	8,436,916	8,214,949	8,481,396	9,312,677	8,360,995
Real estate	7,529,967	7,492,382	8,097,413	9,037,658	9,235,350
Livestock and poultry ¹	627,713	608,891	590,320	476,214	422,250
Machinery and motor vehicles ²	1,120,462	1,144,430	1,124,897	1,080,835	1,071,034
Crops ³	87,476	120,742	127,962	173,688	275,987
Purchased inputs	17,020	20,539	32,815	24,730	34,050
Financial	-945,722	-1,172,035	-1,492,011	-1,480,448	-2,677,676
Farm debt	1,626,274	1,612,818	1,606,096	1,611,219	1,461,227
By purpose:					
Real estate	725,688	753,242	784,060	785,831	782,245
Nonreal estate ⁴	900,586	859,576	822,036	825,388	678,982
By lender:					
Farm Credit System	341,178	356,875	331,946	341,045	369,539
Farm Service Agency ⁵	453,359	364,089	324,650	251,247	101,544
Commercial banks	467,722	512,494	548,366	615,700	588,582
Life insurance companies	129,444	130,846	137,580	126,361	108,412
Individuals and others	234,438	248,513	263,554	276,868	293,150
Equity	6,810,642	6,602,131	6,875,300	7,701,458	6,899,768
			<i>Percent</i>		
Ratio:					
Debt/equity	23.9	24.4	23.4	20.9	21.2
Debt/assets	19.3	19.6	18.9	17.3	17.5

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Maine and Maryland, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Maine					
			<i>Number</i>		
Farms	7,300	7,300	7,600	7,600	7,400
			<i>Thousand dollars</i>		
Farm assets	1,953,413	2,033,943	2,039,326	2,081,950	2,074,681
Real estate	1,344,120	1,423,463	1,427,907	1,469,697	1,479,943
Livestock and poultry ¹	95,136	97,990	97,546	92,825	94,268
Machinery and motor vehicles ²	278,746	284,708	301,755	300,674	290,106
Crops ³	106,507	106,473	91,198	104,333	94,158
Purchased inputs	23,086	16,246	11,886	6,397	7,302
Financial	105,818	105,063	109,034	108,024	108,904
Farm debt	294,103	308,318	324,217	337,571	349,672
By purpose:					
Real estate	113,010	115,846	114,406	117,602	123,402
Nonreal estate ⁴	181,093	192,472	209,811	219,969	226,270
By lender:					
Farm Credit System	94,446	92,279	93,735	90,589	98,506
Farm Service Agency ⁵	98,534	97,873	95,642	89,774	69,825
Commercial banks	34,869	38,578	52,318	58,624	67,727
Life insurance companies	10,635	20,367	19,470	32,122	42,859
Individuals and others	55,581	59,219	63,052	66,462	70,754
Equity	1,659,310	1,725,625	1,715,109	1,744,379	1,725,009
			<i>Percent</i>		
Ratio:					
Debt/equity	17.7	17.9	18.9	19.4	20.3
Debt/assets	15.1	15.2	15.9	16.2	16.9
Maryland					
			<i>Number</i>		
Farms	15,600	15,000	14,500	14,300	13,700
			<i>Thousand dollars</i>		
Farm assets	6,908,292	7,577,532	8,243,169	8,133,240	8,406,560
Real estate	5,524,864	6,212,037	6,874,297	6,798,522	7,107,707
Livestock and poultry ¹	277,673	271,130	260,004	223,188	204,908
Machinery and motor vehicles ²	658,254	646,476	636,198	625,175	593,512
Crops ³	102,505	85,690	90,836	118,807	117,624
Purchased inputs	22,014	22,513	32,898	23,077	33,483
Financial	322,982	339,686	348,936	344,471	349,326
Farm debt	975,373	999,631	1,018,106	966,857	981,904
By purpose:					
Real estate	605,756	634,866	661,412	617,289	609,629
Nonreal estate ⁴	369,617	364,765	356,694	349,568	372,275
By lender:					
Farm Credit System	537,899	533,613	534,423	487,649	482,556
Farm Service Agency ⁵	44,597	39,823	35,764	35,858	39,134
Commercial banks	146,923	154,826	162,479	146,340	147,532
Life insurance companies	8,662	20,677	20,007	19,040	19,734
Individuals and others	237,292	250,691	265,432	277,969	292,948
Equity	5,932,919	6,577,901	7,225,063	7,166,383	7,424,656
			<i>Percent</i>		
Ratio:					
Debt/equity	16.4	15.2	14.1	13.5	13.2
Debt/assets	14.1	13.2	12.4	11.9	11.7

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Massachusetts and Michigan, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Massachusetts					
	<i>Number</i>				
Farms	6,400	6,200	6,000	6,000	6,100
	<i>Thousand dollars</i>				
Farm assets	2,979,901	3,170,029	3,064,526	3,160,321	3,453,625
Real estate	2,512,744	2,693,973	2,587,556	2,682,948	2,971,999
Livestock and poultry ¹	60,342	61,359	57,392	54,429	51,302
Machinery and motor vehicles ²	194,187	192,142	189,298	188,620	190,024
Crops ³	21,297	12,857	21,994	18,972	15,975
Purchased inputs	12,234	9,458	8,722	3,075	3,676
Financial	179,097	200,240	199,564	212,277	220,649
Farm debt	300,591	295,626	289,397	238,827	258,350
By purpose:					
Real estate	121,501	134,110	129,084	111,768	120,848
Nonreal estate ⁴	179,090	161,516	160,313	127,059	137,502
By lender:					
Farm Credit System	127,104	123,504	119,625	122,984	128,842
Farm Service Agency ⁵	36,282	35,990	36,217	13,472	39,393
Commercial banks	75,956	65,574	61,501	29,436	16,151
Life insurance companies	18,870	25,544	24,193	22,677	20,731
Individuals and others	42,378	45,016	47,860	50,259	53,234
Equity	2,679,310	2,874,403	2,775,129	2,921,494	3,195,275
	<i>Percent</i>				
Ratio:					
Debt/equity	11.2	10.3	10.4	8.2	8.1
Debt/assets	10.1	9.3	9.4	7.6	7.5
Michigan					
	<i>Number</i>				
Farms	54,000	52,000	52,000	54,000	53,000
	<i>Thousand dollars</i>				
Farm assets	15,541,887	16,130,498	16,856,386	18,119,851	19,149,247
Real estate	10,258,575	10,861,752	11,675,597	12,851,913	13,856,510
Livestock and poultry ¹	1,043,525	1,067,272	987,250	874,614	870,322
Machinery and motor vehicles ²	2,479,734	2,438,971	2,482,963	2,569,222	2,498,776
Crops ³	795,680	705,650	598,809	689,174	750,122
Purchased inputs	143,485	126,853	162,510	107,366	142,481
Financial	820,888	930,000	949,257	1,027,562	1,031,036
Farm debt	2,628,609	2,612,241	2,643,573	2,722,326	2,850,727
By purpose:					
Real estate	1,452,356	1,407,967	1,426,557	1,449,632	1,489,926
Nonreal estate ⁴	1,176,253	1,204,274	1,217,016	1,272,694	1,360,801
By lender:					
Farm Credit System	990,050	998,850	1,020,730	1,107,541	1,220,393
Farm Service Agency ⁵	329,186	287,732	269,307	239,591	200,508
Commercial banks	628,332	611,224	610,920	608,155	633,304
Life insurance companies	66,332	67,861	60,576	55,274	50,398
Individuals and others	614,618	646,573	682,039	711,765	746,123
Equity	12,913,278	13,518,257	14,212,813	15,397,525	16,298,520
	<i>Percent</i>				
Ratio:					
Debt/equity	20.4	19.3	18.6	17.7	17.5
Debt/assets	16.9	16.2	15.7	15.0	14.9

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Minnesota and Mississippi, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Minnesota					
	<i>Number</i>				
Farms	88,000	87,000	85,000	87,000	87,000
	<i>Thousand dollars</i>				
Farm assets	35,996,613	35,673,900	36,147,157	38,025,454	39,731,119
Real estate	23,943,481	23,794,938	24,127,250	25,246,082	26,901,563
Livestock and poultry ¹	2,345,665	2,362,162	2,178,535	2,118,000	2,193,793
Machinery and motor vehicles ²	5,130,180	5,180,375	5,152,576	5,254,916	5,207,262
Crops ³	1,817,942	1,545,064	1,641,117	2,357,815	2,276,010
Purchased inputs	327,054	335,311	443,586	291,280	355,247
Financial	2,432,291	2,456,050	2,604,093	2,757,361	2,797,244
Farm debt	6,750,502	6,913,780	7,322,743	7,706,977	8,104,174
By purpose:					
Real estate	3,530,090	3,633,747	3,768,459	3,890,662	4,017,053
Nonreal estate ⁴	3,220,412	3,280,033	3,554,284	3,816,315	4,087,121
By lender:					
Farm Credit System	1,662,157	1,684,922	1,818,092	1,945,591	2,138,617
Farm Service Agency ⁵	474,504	424,796	426,896	395,114	346,193
Commercial banks	2,819,637	2,913,655	3,093,203	3,301,629	3,434,746
Life insurance companies	194,249	208,654	209,912	215,888	250,847
Individuals and others	1,599,667	1,681,754	1,774,639	1,848,754	1,933,772
Equity	29,246,111	28,760,120	28,824,414	30,318,477	31,626,945
	<i>Percent</i>				
Ratio:					
Debt/equity	23.1	24.0	25.4	25.4	25.6
Debt/assets	18.8	19.4	20.3	20.3	20.4
Mississippi					
	<i>Number</i>				
Farms	39,000	39,000	39,000	42,000	44,000
	<i>Thousand dollars</i>				
Farm assets	11,860,179	12,577,986	13,078,870	13,099,253	13,654,155
Real estate	8,552,510	9,073,087	9,570,168	9,644,271	9,912,042
Livestock and poultry ¹	809,317	851,794	729,935	598,352	557,203
Machinery and motor vehicles ²	1,321,872	1,350,148	1,374,500	1,474,927	1,531,150
Crops ³	207,580	224,134	193,551	230,154	509,154
Purchased inputs	30,056	30,888	40,615	26,564	31,846
Financial	938,844	1,047,935	1,170,101	1,124,985	1,112,760
Farm debt	2,320,855	2,318,754	2,420,884	2,502,693	2,389,478
By purpose:					
Real estate	1,193,921	1,227,940	1,270,338	1,336,316	1,410,375
Nonreal estate ⁴	1,126,934	1,090,814	1,150,546	1,166,377	979,103
By lender:					
Farm Credit System	356,025	306,978	367,796	408,881	435,208
Farm Service Agency ⁵	620,352	544,413	511,346	432,948	248,491
Commercial banks	772,344	868,707	925,332	1,013,605	1,037,361
Life insurance companies	232,863	239,865	236,737	248,874	247,451
Individuals and others	339,209	358,790	379,673	398,384	420,968
Equity	9,539,324	10,259,232	10,657,986	10,596,560	11,264,677
	<i>Percent</i>				
Ratio:					
Debt/equity	24.3	22.6	22.7	23.6	21.2
Debt/assets	19.6	18.4	18.5	19.1	17.5

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Missouri and Montana, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Missouri					
			<i>Number</i>		
Farms	107,000	106,000	105,000	105,000	104,000
			<i>Thousand dollars</i>		
Farm assets	29,286,503	30,717,665	31,385,469	32,934,028	34,597,853
Real estate	20,335,606	21,318,862	22,243,309	24,083,244	25,572,781
Livestock and poultry ¹	2,962,495	3,192,647	2,784,721	2,288,824	2,234,434
Machinery and motor vehicles ²	3,228,343	3,266,584	3,294,130	3,282,327	3,221,584
Crops ³	854,895	839,189	876,467	975,343	1,159,153
Purchased inputs	110,555	103,357	128,639	83,356	104,500
Financial	1,794,609	1,997,026	2,058,203	2,220,934	2,305,401
Farm debt	4,610,684	4,720,750	4,862,260	5,213,623	5,565,936
By purpose:					
Real estate	2,760,541	2,795,398	2,871,650	3,091,776	3,229,003
Nonreal estate ⁴	1,850,143	1,925,352	1,990,610	2,121,847	2,336,933
By lender:					
Farm Credit System	811,939	835,078	846,801	1,015,085	1,069,561
Farm Service Agency ⁵	469,498	399,898	367,885	328,857	388,308
Commercial banks	2,230,733	2,331,741	2,457,477	2,640,377	2,829,182
Life insurance companies	172,506	180,833	164,387	159,749	159,296
Individuals and others	925,942	973,200	1,025,712	1,069,557	1,119,588
Equity	24,675,819	25,996,915	26,523,209	27,720,405	29,031,917
			<i>Percent</i>		
Ratio:					
Debt/equity	18.7	18.2	18.3	18.8	19.2
Debt/assets	15.7	15.4	15.5	15.8	16.1
Montana					
			<i>Number</i>		
Farms	24,300	23,800	22,500	22,000	22,000
			<i>Thousand dollars</i>		
Farm assets	16,982,567	18,695,917	19,541,300	19,978,156	21,055,972
Real estate	12,526,463	13,889,196	15,009,468	15,701,548	16,543,081
Livestock and poultry ¹	1,902,750	1,986,015	1,868,957	1,593,730	1,674,964
Machinery and motor vehicles ²	1,347,034	1,348,451	1,297,790	1,264,403	1,252,937
Crops ³	592,351	819,584	664,887	746,050	873,231
Purchased inputs	74,321	66,361	81,732	52,644	69,015
Financial	539,648	586,310	618,466	619,781	642,744
Farm debt	2,456,709	2,446,680	2,616,143	2,567,735	2,610,255
By purpose:					
Real estate	1,570,267	1,547,089	1,618,410	1,561,011	1,608,435
Nonreal estate ⁴	886,442	899,591	997,733	1,006,724	1,001,820
By lender:					
Farm Credit System	584,167	510,068	557,058	471,567	467,425
Farm Service Agency ⁵	352,032	316,684	298,597	266,169	222,268
Commercial banks	684,390	753,106	852,530	894,441	930,233
Life insurance companies	171,705	171,524	175,748	177,539	204,446
Individuals and others	664,370	695,298	732,209	758,020	785,883
Equity	14,525,858	16,249,237	16,925,157	17,410,421	18,445,717
			<i>Percent</i>		
Ratio:					
Debt/equity	16.9	15.1	15.5	14.8	14.2
Debt/assets	14.5	13.1	13.4	12.9	12.4

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Nebraska and Nevada, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Nebraska					
	<i>Number</i>				
Farms	56,000	55,000	55,000	56,000	56,000
	<i>Thousand dollars</i>				
Farm assets	33,138,381	35,420,050	36,153,838	37,552,295	40,718,695
Real estate	22,788,358	24,769,807	25,979,074	27,604,248	29,700,773
Livestock and poultry ¹	4,305,743	4,518,090	3,927,265	3,493,540	4,044,215
Machinery and motor vehicles ²	3,230,125	3,240,306	3,298,751	3,346,693	3,316,344
Crops ³	1,537,723	1,480,803	1,462,543	1,597,031	2,061,558
Purchased inputs	192,046	181,225	244,897	172,192	231,251
Financial	1,084,386	1,229,819	1,241,308	1,338,591	1,364,554
Farm debt	6,869,488	7,257,649	7,469,855	7,700,842	8,111,378
By purpose:					
Real estate	2,907,296	3,049,937	3,109,245	3,201,231	3,369,026
Nonreal estate ⁴	3,962,192	4,207,712	4,360,610	4,499,611	4,742,352
By lender:					
Farm Credit System	1,086,304	1,179,933	1,087,144	1,108,729	1,222,298
Farm Service Agency ⁵	456,616	408,294	388,361	361,267	423,822
Commercial banks	3,576,091	3,847,198	4,090,311	4,216,537	4,325,565
Life insurance companies	291,001	275,283	263,124	292,442	318,892
Individuals and others	1,459,450	1,546,942	1,640,916	1,721,867	1,820,801
Equity	26,268,893	28,162,401	28,683,983	29,851,453	32,607,317
	<i>Percent</i>				
Ratio:					
Debt/equity	26.2	25.8	26.0	25.8	24.9
Debt/assets	20.7	20.5	20.7	20.5	19.9
Nevada					
	<i>Number</i>				
Farms	2,500	2,400	2,400	2,500	2,500
	<i>Thousand dollars</i>				
Farm assets	2,531,251	2,626,523	2,738,981	3,012,154	3,181,241
Real estate	1,964,690	2,036,078	2,158,298	2,479,428	2,613,855
Livestock and poultry ¹	309,520	310,774	296,537	261,705	279,712
Machinery and motor vehicles ²	125,718	123,271	125,494	130,255	129,073
Crops ³	35,506	54,492	48,799	59,271	77,037
Purchased inputs	10,395	8,110	8,091	2,961	2,917
Financial	85,422	93,798	101,762	78,534	78,647
Farm debt	232,829	230,922	235,642	236,270	229,648
By purpose:					
Real estate	160,273	154,353	157,095	152,136	148,646
Nonreal estate ⁴	72,556	76,569	78,547	84,134	81,002
By lender:					
Farm Credit System	95,271	95,400	97,066	98,984	100,394
Farm Service Agency ⁵	23,756	23,407	21,838	20,807	21,240
Commercial banks	15,569	14,368	23,398	17,509	11,435
Life insurance companies	27,390	23,535	15,235	17,891	12,069
Individuals and others	70,844	74,212	78,105	81,079	84,510
Equity	2,298,422	2,395,601	2,503,339	2,775,884	2,951,593
	<i>Percent</i>				
Ratio:					
Debt/equity	10.1	9.6	9.4	8.5	7.8
Debt/assets	9.2	8.8	8.6	7.8	7.2

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, New Hampshire and New Jersey,
December 31, 1992-96—Continued**

Item	1992	1993	1994	1995	1996
New Hampshire					
	<i>Number</i>				
Farms	2,700	2,500	2,400	2,300	2,400
	<i>Thousand dollars</i>				
Farm assets	972,515	1,043,781	1,051,040	1,051,132	1,059,276
Real estate	819,658	893,310	903,119	915,256	923,066
Livestock and poultry ¹	41,522	42,084	39,964	36,058	32,875
Machinery and motor vehicles ²	77,883	73,656	71,985	68,739	71,077
Crops ³	13,317	12,464	13,404	12,142	10,665
Purchased inputs	3,479	2,866	3,205	2,062	2,420
Financial	16,656	19,401	19,363	16,875	19,173
Farm debt	68,893	74,629	75,072	74,787	80,224
By purpose:					
Real estate	32,525	40,344	40,170	38,414	37,031
Nonreal estate ⁴	36,368	34,285	34,902	36,373	43,193
By lender:					
Farm Credit System	36,368	37,994	37,531	40,475	44,578
Farm Service Agency ⁵	12,520	11,981	11,892	7,341	8,152
Commercial banks	1,478	5,004	4,773	5,092	4,383
Life insurance companies	0	0	0	0	0
Individuals and others	18,528	19,651	20,875	21,879	23,111
Equity	903,622	969,152	975,968	976,345	979,052
	<i>Percent</i>				
Ratio:					
Debt/equity	7.6	7.7	7.7	7.7	8.2
Debt/assets	7.1	7.2	7.1	7.1	7.6
New Jersey					
	<i>Number</i>				
Farms	9,000	8,900	8,900	9,000	9,200
	<i>Thousand dollars</i>				
Farm assets	6,045,109	6,286,328	6,649,502	6,664,928	6,680,566
Real estate	5,383,982	5,628,595	5,978,318	6,012,712	6,026,919
Livestock and poultry ¹	68,590	63,804	61,548	63,606	63,171
Machinery and motor vehicles ²	297,567	300,555	305,976	308,305	312,299
Crops ³	22,134	24,791	34,377	31,585	22,637
Purchased inputs	14,358	13,608	17,827	11,771	14,932
Financial	258,478	254,975	251,456	236,949	240,608
Farm debt	458,435	459,528	416,984	417,617	531,556
By purpose:					
Real estate	255,089	255,485	259,276	246,750	369,406
Nonreal estate ⁴	203,346	204,043	157,708	170,867	162,150
By lender:					
Farm Credit System	221,700	207,370	193,430	199,993	328,920
Farm Service Agency ⁵	57,073	57,205	55,671	54,244	43,714
Commercial banks	70,769	80,534	41,632	37,441	27,228
Life insurance companies	189	87	5,554	244	242
Individuals and others	108,705	114,330	120,697	125,695	131,452
Equity	5,586,674	5,826,800	6,232,518	6,247,311	6,149,010
	<i>Percent</i>				
Ratio:					
Debt/equity	8.2	7.9	6.7	6.7	8.6
Debt/assets	7.6	7.3	6.3	6.3	8.0

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, New Mexico and New York, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
New Mexico					
			<i>Number</i>		
Farms	13,500	13,500	13,500	13,500	13,500
			<i>Thousand dollars</i>		
Farm assets	9,927,084	10,564,549	11,236,836	12,390,436	13,210,747
Real estate	8,110,819	8,653,688	9,255,494	10,540,605	11,387,062
Livestock and poultry ¹	921,866	964,307	1,000,591	843,160	842,527
Machinery and motor vehicles ²	416,744	425,658	433,336	431,783	427,868
Crops ³	64,779	76,334	74,120	85,508	100,232
Purchased inputs	27,104	22,100	26,197	15,328	14,020
Financial	385,772	422,462	447,098	474,052	439,038
Farm debt	1,051,323	1,106,121	1,123,745	1,181,455	1,271,649
By purpose:					
Real estate	564,467	596,962	604,900	643,569	692,617
Nonreal estate ⁴	486,856	509,159	518,845	537,886	579,032
By lender:					
Farm Credit System	312,313	341,758	338,799	370,979	428,564
Farm Service Agency ⁵	97,248	88,598	79,844	68,887	76,052
Commercial banks	309,646	327,907	336,530	357,543	360,986
Life insurance companies	59,739	59,844	63,384	64,900	69,970
Individuals and others	272,377	288,013	305,188	319,147	336,076
Equity	8,875,761	9,458,428	10,113,091	11,208,981	11,939,098
			<i>Percent</i>		
Ratio:					
Debt/equity	11.8	11.7	11.1	10.5	10.7
Debt/assets	10.6	10.5	10.0	9.5	9.6
New York					
			<i>Number</i>		
Farms	38,000	37,500	36,000	36,000	36,000
			<i>Thousand dollars</i>		
Farm assets	13,002,669	13,671,023	13,204,321	12,710,307	13,167,075
Real estate	8,639,007	9,318,338	8,933,877	8,663,626	9,034,089
Livestock and poultry ¹	1,302,578	1,294,011	1,242,328	1,138,456	1,176,170
Machinery and motor vehicles ²	1,830,935	1,845,494	1,803,630	1,797,167	1,780,869
Crops ³	438,990	379,945	385,259	352,413	382,768
Purchased inputs	91,719	87,507	121,781	87,538	118,597
Financial	699,440	745,728	717,446	671,107	674,582
Farm debt	2,109,784	2,138,236	2,156,326	2,177,559	2,111,962
By purpose:					
Real estate	882,516	884,852	885,064	859,827	842,783
Nonreal estate ⁴	1,227,268	1,253,384	1,271,262	1,317,732	1,269,179
By lender:					
Farm Credit System	797,052	832,457	819,435	828,330	841,541
Farm Service Agency ⁵	331,836	322,382	320,987	293,245	218,718
Commercial banks	520,910	498,904	504,302	520,958	484,830
Life insurance companies	5,587	4,634	3,919	3,581	7,136
Individuals and others	454,368	479,859	507,684	531,444	559,737
Equity	10,892,885	11,532,787	11,047,995	10,532,748	11,055,113
			<i>Percent</i>		
Ratio:					
Debt/equity	19.4	18.5	19.5	20.7	19.1
Debt/assets	16.2	15.6	16.3	17.1	16.0

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, North Carolina and North Dakota,
December 31, 1992-96—Continued**

Item	1992	1993	1994	1995	1996
North Carolina					
	<i>Number</i>				
Farms	60,000	59,000	58,000	58,000	58,000
	<i>Thousand dollars</i>				
Farm assets	16,943,656	17,217,490	18,367,036	20,194,265	20,788,910
Real estate	12,573,454	12,709,292	13,640,594	15,373,708	15,650,238
Livestock and poultry ¹	915,452	996,650	1,028,954	1,154,445	1,409,392
Machinery and motor vehicles ²	1,925,297	1,933,716	1,935,229	1,928,294	1,910,808
Crops ³	318,703	249,229	329,661	345,181	382,310
Purchased inputs	39,621	39,064	54,970	38,749	53,125
Financial	1,171,129	1,289,539	1,377,628	1,353,888	1,383,037
Farm debt	2,643,837	2,696,650	2,976,567	3,280,159	3,468,200
By purpose:					
Real estate	1,395,122	1,326,848	1,360,749	1,417,552	1,423,986
Nonreal estate ⁴	1,248,715	1,369,802	1,615,818	1,862,607	2,044,214
By lender:					
Farm Credit System	1,090,926	1,060,544	1,155,589	1,361,650	1,449,957
Farm Service Agency ⁵	282,361	243,906	218,365	181,358	199,274
Commercial banks	665,173	746,116	935,732	1,034,166	1,060,586
Life insurance companies	76,790	83,246	67,897	71,908	87,054
Individuals and others	528,587	562,837	598,985	631,077	671,328
Equity	14,299,819	14,520,840	15,390,469	16,914,106	17,320,710
	<i>Percent</i>				
Ratio:					
Debt/equity	18.5	18.6	19.3	19.4	20.0
Debt/assets	15.6	15.7	16.2	16.2	16.7
North Dakota					
	<i>Number</i>				
Farms	33,000	32,500	32,000	32,000	31,000
	<i>Thousand dollars</i>				
Farm assets	19,479,026	20,440,989	21,057,529	21,329,442	22,307,756
Real estate	12,794,200	13,407,700	14,024,122	14,428,930	15,407,786
Livestock and poultry ¹	1,357,021	1,452,995	1,320,167	1,097,512	1,170,413
Machinery and motor vehicles ²	2,403,843	2,418,062	2,423,805	2,415,119	2,318,430
Crops ³	1,206,752	1,217,179	1,219,752	1,320,432	1,249,058
Purchased inputs	130,082	124,597	158,787	106,716	135,402
Financial	1,587,128	1,820,456	1,910,896	1,960,733	2,026,667
Farm debt	3,274,051	3,442,767	3,609,859	3,720,574	3,880,898
By purpose:					
Real estate	1,617,458	1,601,548	1,624,606	1,639,848	1,658,896
Nonreal estate ⁴	1,656,593	1,841,219	1,985,253	2,080,726	2,222,002
By lender:					
Farm Credit System	1,015,967	1,128,797	1,099,010	1,120,439	1,177,498
Farm Service Agency ⁵	605,414	529,485	493,435	459,714	391,097
Commercial banks	1,120,953	1,224,565	1,431,230	1,528,230	1,666,826
Life insurance companies	29,569	30,432	26,070	27,879	32,723
Individuals and others	502,104	529,489	560,114	584,311	612,754
Equity	16,204,975	16,998,222	17,447,670	17,608,868	18,426,858
	<i>Percent</i>				
Ratio:					
Debt/equity	20.2	20.3	20.7	21.1	21.1
Debt/assets	16.8	16.8	17.1	17.4	17.4

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Ohio and Oklahoma, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Ohio					
	<i>Number</i>				
Farms	78,000	76,000	75,000	74,000	72,000
	<i>Thousand dollars</i>				
Farm assets	26,142,871	27,570,884	30,033,456	32,141,613	34,036,724
Real estate	19,068,739	20,570,382	22,996,867	25,365,968	26,909,096
Livestock and poultry ¹	1,218,288	1,262,945	1,150,434	1,059,297	1,087,747
Machinery and motor vehicles ²	3,186,995	3,171,701	3,186,424	3,132,673	3,020,365
Crops ³	978,577	849,835	881,501	949,781	1,116,458
Purchased inputs	121,749	128,653	190,516	137,552	190,174
Financial	1,568,523	1,587,368	1,627,714	1,496,342	1,712,884
Farm debt	3,178,025	3,070,660	3,340,407	3,442,698	3,775,302
By purpose:					
Real estate	1,951,564	1,911,637	2,030,735	2,057,571	2,152,608
Nonreal estate ⁴	1,226,461	1,159,023	1,309,672	1,385,127	1,622,694
By lender:					
Farm Credit System	955,024	843,429	1,049,695	1,082,863	1,221,328
Farm Service Agency ⁵	254,289	217,688	191,815	162,363	181,710
Commercial banks	1,123,249	1,133,723	1,197,511	1,253,589	1,378,839
Life insurance companies	112,628	103,627	84,417	89,776	95,820
Individuals and others	732,834	772,192	816,969	854,106	897,605
Equity	22,964,846	24,500,224	26,693,049	28,698,915	30,261,422
	<i>Percent</i>				
Ratio:					
Debt/equity	13.8	12.5	12.5	12.0	12.5
Debt/assets	12.2	11.1	11.1	10.7	11.1
Oklahoma					
	<i>Number</i>				
Farms	71,000	70,500	70,000	71,000	72,000
	<i>Thousand dollars</i>				
Farm assets	21,132,245	21,740,708	22,412,195	21,612,969	22,670,447
Real estate	14,744,140	15,158,661	15,736,991	15,820,635	16,485,853
Livestock and poultry ¹	3,062,805	3,063,906	3,108,119	2,268,865	2,548,743
Machinery and motor vehicles ²	1,892,612	1,919,483	1,940,246	1,960,912	1,970,498
Crops ³	284,997	321,243	291,827	301,787	486,551
Purchased inputs	57,758	62,406	88,809	62,728	77,702
Financial	1,089,933	1,215,009	1,246,203	1,198,042	1,101,100
Farm debt	3,618,618	3,724,462	3,893,694	3,851,883	3,992,693
By purpose:					
Real estate	1,627,385	1,608,064	1,659,349	1,755,250	1,882,230
Nonreal estate ⁴	1,991,233	2,116,398	2,234,345	2,096,633	2,110,463
By lender:					
Farm Credit System	705,812	659,591	663,858	666,494	754,796
Farm Service Agency ⁵	552,645	490,084	460,687	420,113	379,647
Commercial banks	1,635,941	1,819,571	1,974,726	1,893,522	1,922,861
Life insurance companies	89,779	86,200	87,753	132,358	157,536
Individuals and others	634,440	669,017	706,670	739,396	777,854
Equity	17,513,627	18,016,246	18,518,501	17,761,086	18,677,754
	<i>Percent</i>				
Ratio:					
Debt/equity	20.7	20.7	21.0	21.7	21.4
Debt/assets	17.1	17.1	17.4	17.8	17.6

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Oregon and Pennsylvania, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Oregon					
			<i>Number</i>		
Farms	37,500	37,500	38,000	38,500	38,500
			<i>Thousand dollars</i>		
Farm assets	13,386,676	14,640,485	15,923,661	17,116,865	18,182,458
Real estate	9,851,046	10,914,669	12,185,926	13,481,324	14,527,289
Livestock and poultry ¹	938,663	1,010,309	957,727	789,986	793,981
Machinery and motor vehicles ²	1,509,083	1,541,363	1,590,087	1,605,237	1,590,680
Crops ³	240,618	286,557	250,975	339,807	360,664
Purchased inputs	87,225	81,494	96,676	52,340	59,768
Financial	760,041	806,093	842,270	848,171	850,076
Farm debt	2,341,865	2,127,639	2,165,546	2,189,651	2,184,210
By purpose:					
Real estate	1,569,676	1,308,065	1,346,381	1,344,779	1,313,702
Nonreal estate ⁴	772,189	819,574	819,165	844,872	870,508
By lender:					
Farm Credit System	639,190	555,562	527,066	491,580	502,477
Farm Service Agency ⁵	166,620	149,596	144,268	127,502	130,071
Commercial banks	470,383	568,470	538,448	577,642	538,636
Life insurance companies	391,720	150,155	214,667	223,873	214,263
Individuals and others	673,950	703,855	741,098	769,055	798,765
Equity	11,044,811	12,512,846	13,758,115	14,927,214	15,998,248
			<i>Percent</i>		
Ratio:					
Debt/equity	21.2	17.0	15.7	14.7	13.7
Debt/assets	17.5	14.5	13.6	12.8	12.0
Pennsylvania					
			<i>Number</i>		
Farms	52,000	51,000	51,000	50,000	50,000
			<i>Thousand dollars</i>		
Farm assets	19,216,389	20,166,978	20,294,880	21,141,007	22,078,631
Real estate	13,912,855	14,847,733	15,029,183	16,155,911	16,962,094
Livestock and poultry ¹	1,580,935	1,579,770	1,507,541	1,400,880	1,425,526
Machinery and motor vehicles ²	2,142,932	2,146,679	2,185,399	2,134,871	2,115,511
Crops ³	638,019	609,312	549,178	553,534	641,343
Purchased inputs	115,180	109,758	141,586	88,717	110,592
Financial	826,468	873,726	881,993	807,094	823,565
Farm debt	2,409,071	2,431,320	2,468,509	2,496,118	2,530,714
By purpose:					
Real estate	1,376,662	1,386,951	1,409,307	1,433,865	1,433,888
Nonreal estate ⁴	1,032,409	1,044,369	1,059,202	1,062,253	1,096,826
By lender:					
Farm Credit System	899,632	868,240	839,961	815,792	810,254
Farm Service Agency ⁵	224,136	213,666	206,749	191,354	158,977
Commercial banks	750,570	785,150	825,986	864,865	906,869
Life insurance companies	9,376	8,025	6,464	5,585	683
Individuals and others	525,357	556,239	589,349	618,521	653,930
Equity	16,807,318	17,735,658	17,826,371	18,644,889	19,547,917
			<i>Percent</i>		
Ratio:					
Debt/equity	14.3	13.7	13.9	13.4	13.0
Debt/assets	12.5	12.1	12.2	11.8	11.5

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Rhode Island and South Carolina,
December 31, 1992-96—Continued**

Item	1992	1993	1994	1995	1996
Rhode Island					
	<i>Number</i>				
Farms	700	700	700	700	700
	<i>Thousand dollars</i>				
Farm assets	374,199	408,480	416,415	425,326	460,153
Real estate	330,937	360,718	364,707	378,200	414,739
Livestock and poultry ¹	5,730	5,988	6,189	6,168	5,261
Machinery and motor vehicles ²	22,033	22,504	22,910	22,828	22,621
Crops ³	1,412	1,125	1,673	1,166	946
Purchased inputs	715	905	1,173	747	699
Financial	13,372	17,240	19,763	16,217	15,887
Farm debt	38,140	39,687	38,877	61,119	35,411
By purpose:					
Real estate	14,754	18,415	18,613	31,349	15,745
Nonreal estate ⁴	23,386	21,272	20,264	29,770	19,666
By lender:					
Farm Credit System	27,136	28,368	27,202	26,746	24,154
Farm Service Agency ⁵	4,508	4,607	4,677	27,714	5,110
Commercial banks	1,729	1,640	1,600	976	110
Life insurance companies	0	0	0	0	0
Individuals and others	4,767	5,072	5,398	5,681	6,037
Equity	336,059	368,793	377,538	364,207	424,742
	<i>Percent</i>				
Ratio:					
Debt/equity	11.4	10.8	10.3	16.8	8.3
Debt/assets	10.2	9.7	9.3	14.4	7.7
South Carolina					
	<i>Number</i>				
Farms	24,500	24,000	23,000	22,000	21,500
	<i>Thousand dollars</i>				
Farm assets	6,924,165	7,080,948	7,505,869	7,549,399	7,684,559
Real estate	5,024,769	5,194,079	5,629,613	5,710,244	5,865,255
Livestock and poultry ¹	388,554	397,397	308,044	257,250	257,126
Machinery and motor vehicles ²	676,269	676,639	660,142	629,177	609,302
Crops ³	73,572	30,954	82,086	102,902	86,317
Purchased inputs	47,930	34,035	29,648	15,836	21,432
Financial	713,071	747,844	796,336	833,990	845,127
Farm debt	879,973	834,861	849,773	844,195	862,002
By purpose:					
Real estate	496,384	412,336	408,154	377,059	373,042
Nonreal estate ⁴	383,589	422,525	441,619	467,136	488,960
By lender:					
Farm Credit System	390,529	357,847	368,078	406,481	437,248
Farm Service Agency ⁵	182,629	165,886	162,881	132,733	92,298
Commercial banks	142,202	140,234	139,713	120,967	134,932
Life insurance companies	11,985	9,040	7,352	3,315	5,845
Individuals and others	152,602	161,852	171,750	180,700	191,678
Equity	6,044,192	6,246,087	6,656,096	6,705,204	6,822,557
	<i>Percent</i>				
Ratio:					
Debt/equity	14.6	13.4	12.8	12.6	12.6
Debt/assets	12.7	11.8	11.3	11.2	11.2

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, South Dakota and Tennessee, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
South Dakota					
	<i>Number</i>				
Farms	35,000	34,500	34,000	33,000	32,500
	<i>Thousand dollars</i>				
Farm assets	18,075,964	18,659,383	18,837,859	19,215,583	20,041,811
Real estate	11,181,444	11,619,128	12,080,232	12,795,764	13,036,437
Livestock and poultry ¹	2,830,896	2,869,091	2,572,970	2,180,838	2,415,659
Machinery and motor vehicles ²	2,058,989	2,072,989	2,079,794	2,011,391	1,962,951
Crops ³	1,090,286	1,130,873	1,049,794	1,156,174	1,462,350
Purchased inputs	112,728	106,116	156,930	115,964	163,071
Financial	801,621	861,186	898,139	955,452	1,001,343
Farm debt	3,434,616	3,578,158	3,672,647	3,714,495	3,799,784
By purpose:					
Real estate	1,426,280	1,478,226	1,500,636	1,577,595	1,617,696
Nonreal estate ⁴	2,008,336	2,099,932	2,172,011	2,136,900	2,182,088
By lender:					
Farm Credit System	662,719	695,500	659,801	667,866	683,329
Farm Service Agency ⁵	619,072	561,428	530,908	487,007	468,791
Commercial banks	1,513,065	1,643,959	1,766,256	1,796,158	1,842,831
Life insurance companies	45,372	51,121	53,924	73,014	80,829
Individuals and others	594,234	626,150	661,757	690,451	724,003
Equity	14,641,348	15,081,225	15,165,212	15,501,088	16,242,027
	<i>Percent</i>				
Ratio:					
Debt/equity	23.5	23.7	24.2	24.0	23.4
Debt/assets	19.0	19.2	19.5	19.3	19.0
Tennessee					
	<i>Number</i>				
Farms	85,000	84,000	83,000	81,000	80,000
	<i>Thousand dollars</i>				
Farm assets	17,106,672	17,175,451	18,104,528	19,566,751	20,638,390
Real estate	12,396,076	12,311,857	13,130,271	14,747,640	15,946,006
Livestock and poultry ¹	1,297,476	1,383,456	1,385,680	1,113,825	930,963
Machinery and motor vehicles ²	1,810,203	1,827,172	1,837,985	1,787,269	1,749,196
Crops ³	304,529	273,146	281,057	370,700	422,031
Purchased inputs	45,902	42,197	54,420	36,558	48,863
Financial	1,252,486	1,337,623	1,415,115	1,510,759	1,541,331
Farm debt	1,990,926	1,839,125	2,000,199	2,077,646	2,152,146
By purpose:					
Real estate	1,063,073	1,065,339	1,123,285	1,155,532	1,196,087
Nonreal estate ⁴	927,853	773,786	876,914	922,114	956,059
By lender:					
Farm Credit System	638,507	451,983	592,704	623,952	684,866
Farm Service Agency ⁵	317,205	272,880	250,009	212,117	209,073
Commercial banks	651,000	706,677	726,390	789,964	781,778
Life insurance companies	24,335	25,842	25,572	26,188	26,463
Individuals and others	359,837	381,743	405,523	425,424	449,967
Equity	15,115,746	15,336,326	16,104,329	17,489,105	18,486,244
	<i>Percent</i>				
Ratio:					
Debt/equity	13.2	12.0	12.4	11.9	11.6
Debt/assets	11.6	10.7	11.1	10.6	10.4

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Texas and Utah, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Texas					
			<i>Number</i>		
Farms	198,000	200,000	200,000	202,000	205,000
			<i>Thousand dollars</i>		
Farm assets	77,477,105	79,573,796	81,915,592	80,827,646	85,848,897
Real estate	58,699,536	60,316,226	62,704,251	63,766,894	68,661,940
Livestock and poultry ¹	8,982,695	8,986,380	8,703,010	6,416,700	6,411,280
Machinery and motor vehicles ²	5,486,676	5,660,647	5,762,749	5,799,520	5,832,278
Crops ³	623,603	547,303	630,065	732,019	832,952
Purchased inputs	170,038	150,984	194,158	123,823	158,564
Financial	3,514,557	3,912,256	3,921,359	3,988,690	3,951,883
Farm debt	9,373,328	9,713,132	9,919,578	10,159,173	9,960,056
By purpose:					
Real estate	4,545,396	4,503,279	4,533,595	4,689,786	4,901,996
Nonreal estate ⁴	4,827,932	5,209,853	5,385,983	5,469,387	5,058,060
By lender:					
Farm Credit System	2,570,016	2,542,150	2,461,588	2,568,448	2,623,056
Farm Service Agency ⁵	967,919	890,223	876,589	768,673	484,239
Commercial banks	3,384,182	3,734,060	3,919,674	4,056,700	3,904,670
Life insurance companies	429,360	410,293	400,561	397,337	452,383
Individuals and others	2,021,827	2,136,406	2,261,166	2,368,015	2,495,708
Equity	68,103,777	69,860,664	71,996,014	70,668,473	75,888,841
			<i>Percent</i>		
Ratio:					
Debt/equity	13.8	13.9	13.8	14.4	13.1
Debt/assets	12.1	12.2	12.1	12.6	11.6
Utah					
			<i>Number</i>		
Farms	13,200	13,000	13,000	13,400	13,400
			<i>Thousand dollars</i>		
Farm assets	6,065,384	6,410,792	7,000,743	7,982,441	8,522,064
Real estate	4,867,786	5,207,827	5,825,658	6,640,104	7,145,018
Livestock and poultry ¹	637,914	626,929	626,445	510,964	551,603
Machinery and motor vehicles ²	430,979	433,528	441,348	453,297	449,187
Crops ³	90,334	116,226	114,267	101,262	120,730
Purchased inputs	27,209	29,321	36,362	22,694	24,478
Financial	11,162	-3,039	-43,337	254,120	231,048
Farm debt	654,606	651,471	669,783	689,507	938,550
By purpose:					
Real estate	353,791	341,461	340,604	349,374	364,434
Nonreal estate ⁴	300,815	310,010	329,179	340,133	574,116
By lender:					
Farm Credit System	167,397	161,564	148,812	154,989	168,439
Farm Service Agency ⁵	86,211	83,607	82,395	77,760	77,476
Commercial banks	196,720	192,687	210,915	220,768	447,897
Life insurance companies	8,672	8,458	11,081	10,987	9,964
Individuals and others	195,606	205,156	216,582	225,003	234,773
Equity	5,410,778	5,759,321	6,330,960	7,292,934	7,583,514
			<i>Percent</i>		
Ratio:					
Debt/equity	12.1	11.3	10.6	9.5	12.4
Debt/assets	10.8	10.2	9.6	8.6	11.0

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Vermont and Virginia, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Vermont					
	<i>Number</i>				
Farms	6,400	6,400	6,200	6,000	6,000
	<i>Thousand dollars</i>				
Farm assets	2,361,557	2,477,024	2,442,607	2,488,690	2,507,159
Real estate	1,666,220	1,778,292	1,759,218	1,798,001	1,816,755
Livestock and poultry ¹	256,863	258,382	261,983	240,670	239,470
Machinery and motor vehicles ²	271,906	277,723	273,896	264,111	261,716
Crops ³	59,123	51,956	51,152	51,151	52,047
Purchased inputs	14,196	16,381	21,119	13,598	14,183
Financial	93,249	94,290	75,239	121,159	122,988
Farm debt	323,884	344,105	344,574	347,981	367,261
By purpose:					
Real estate	165,630	182,488	186,672	181,424	175,019
Nonreal estate ⁴	158,254	161,617	157,902	166,557	192,242
By lender:					
Farm Credit System	148,054	151,948	151,023	159,455	162,319
Farm Service Agency ⁵	57,066	53,911	54,222	52,331	67,221
Commercial banks	49,865	65,184	61,709	54,812	51,738
Life insurance companies	0	0	0	18	17
Individuals and others	68,879	73,062	77,621	81,367	85,967
Equity	2,037,673	2,132,919	2,098,033	2,140,709	2,139,898
	<i>Percent</i>				
Ratio:					
Debt/equity	15.9	16.1	16.4	16.3	17.2
Debt/assets	13.7	13.9	14.1	14.0	14.7
Virginia					
	<i>Number</i>				
Farms	45,000	45,000	46,000	47,000	48,000
	<i>Thousand dollars</i>				
Farm assets	15,526,740	16,020,448	16,772,243	17,648,854	18,532,949
Real estate	12,095,130	12,483,097	13,061,544	14,203,634	14,804,210
Livestock and poultry ¹	1,027,536	1,067,191	1,021,939	884,858	871,215
Machinery and motor vehicles ²	1,242,616	1,269,196	1,320,802	1,344,679	1,360,836
Crops ³	263,660	203,400	276,462	307,373	387,444
Purchased inputs	32,165	32,952	48,191	35,205	48,956
Financial	865,633	964,612	1,043,305	873,105	1,060,288
Farm debt	1,924,845	1,905,041	1,884,776	1,841,458	1,817,206
By purpose:					
Real estate	1,232,346	1,207,233	1,220,061	1,166,544	1,127,000
Nonreal estate ⁴	692,499	697,808	664,715	674,914	690,206
By lender:					
Farm Credit System	1,001,649	983,133	933,961	891,809	872,863
Farm Service Agency ⁵	170,838	149,771	136,876	116,797	90,922
Commercial banks	385,141	385,431	410,741	417,366	422,148
Life insurance companies	49,002	49,383	45,024	40,205	35,083
Individuals and others	318,214	337,322	358,175	375,280	396,190
Equity	13,601,895	14,115,407	14,887,467	15,807,396	16,715,743
	<i>Percent</i>				
Ratio:					
Debt/equity	14.2	13.5	12.7	11.7	10.9
Debt/assets	12.4	11.9	11.2	10.4	9.8

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Washington and West Virginia, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Washington					
	<i>Number</i>				
Farms	37,000	36,000	36,000	36,000	36,000
	<i>Thousand dollars</i>				
Farm assets	16,882,857	18,543,722	18,769,432	19,411,599	20,876,446
Real estate	12,806,350	14,373,302	14,709,366	15,391,310	16,948,354
Livestock and poultry ¹	1,045,223	1,093,517	985,350	817,099	777,707
Machinery and motor vehicles ²	1,885,108	1,873,394	1,907,184	1,900,350	1,883,117
Crops ³	340,281	376,017	303,135	417,419	359,257
Purchased inputs	66,753	59,608	68,686	39,063	45,087
Financial	739,142	767,884	795,711	846,358	862,924
Farm debt	2,816,277	2,921,918	3,036,605	3,057,329	3,125,860
By purpose:					
Real estate	1,486,183	1,595,258	1,563,129	1,538,027	1,571,701
Nonreal estate ⁴	1,330,094	1,326,660	1,473,476	1,519,302	1,554,159
By lender:					
Farm Credit System	552,383	585,030	593,805	525,567	576,068
Farm Service Agency ⁵	199,021	177,540	168,660	145,666	162,674
Commercial banks	1,133,865	1,160,715	1,273,592	1,326,459	1,320,968
Life insurance companies	325,673	361,621	328,250	358,315	331,283
Individuals and others	605,298	637,011	672,299	701,323	734,868
Equity	14,066,580	15,621,804	15,732,827	16,354,270	17,750,586
	<i>Percent</i>				
Ratio:					
Debt/equity	20.0	18.7	19.3	18.7	17.6
Debt/assets	16.7	15.8	16.2	15.8	15.0
West Virginia					
	<i>Number</i>				
Farms	20,000	20,000	20,000	20,000	20,000
	<i>Thousand dollars</i>				
Farm assets	3,416,849	3,488,116	3,569,146	3,682,861	3,792,110
Real estate	2,571,730	2,627,192	2,745,465	2,913,202	3,018,862
Livestock and poultry ¹	305,421	300,898	251,448	216,988	199,475
Machinery and motor vehicles ²	321,400	328,275	334,196	332,999	329,979
Crops ³	72,685	76,349	80,916	66,621	92,979
Purchased inputs	11,850	10,177	10,739	6,299	7,978
Financial	133,763	145,225	146,382	146,752	142,837
Farm debt	407,062	413,895	403,884	391,388	392,425
By purpose:					
Real estate	292,477	298,394	281,535	270,053	264,209
Nonreal estate ⁴	114,585	115,501	122,349	121,335	128,216
By lender:					
Farm Credit System	129,917	128,994	111,375	104,254	97,144
Farm Service Agency ⁵	59,801	58,817	55,389	53,873	60,628
Commercial banks	83,185	92,708	103,451	101,270	104,836
Life insurance companies	81,113	77,119	73,922	69,340	63,603
Individuals and others	53,046	56,255	59,747	62,651	66,214
Equity	3,009,787	3,074,221	3,165,262	3,291,473	3,399,685
	<i>Percent</i>				
Ratio:					
Debt/equity	13.5	13.5	12.8	11.9	11.5
Debt/assets	11.9	11.9	11.3	10.6	10.4

See footnotes at end of table.

Continued—

Table 3-5—Farm business balance sheet, Wisconsin and Wyoming, December 31, 1992-96—Continued

Item	1992	1993	1994	1995	1996
Wisconsin					
	<i>Number</i>				
Farms	79,000	79,000	79,000	80,000	79,000
	<i>Thousand dollars</i>				
Farm assets	23,735,262	24,050,619	25,327,968	26,582,888	27,698,983
Real estate	13,424,338	13,687,773	14,805,062	16,316,227	17,357,688
Livestock and poultry ¹	3,185,777	3,037,031	2,995,936	2,705,677	2,721,225
Machinery and motor vehicles ²	4,351,161	4,444,236	4,524,397	4,565,251	4,467,303
Crops ³	990,785	989,399	964,509	1,019,581	1,132,946
Purchased inputs	215,257	208,915	275,737	190,489	244,012
Financial	1,567,944	1,683,265	1,762,327	1,785,663	1,775,809
Farm debt	4,735,496	4,912,232	4,992,287	5,199,662	5,363,215
By purpose:					
Real estate	2,440,117	2,431,614	2,477,634	2,590,626	2,704,736
Nonreal estate ⁴	2,295,379	2,480,618	2,514,653	2,609,036	2,658,479
By lender:					
Farm Credit System	1,255,199	1,354,364	1,329,379	1,432,037	1,503,464
Farm Service Agency ⁵	465,603	399,730	371,467	331,890	260,146
Commercial banks	1,914,142	1,990,705	2,067,792	2,161,498	2,254,557
Life insurance companies	52,596	64,929	60,034	59,392	70,907
Individuals and others	1,047,798	1,102,503	1,163,616	1,214,845	1,274,142
Equity	18,999,766	19,138,387	20,335,681	21,383,226	22,335,768
	<i>Percent</i>				
Ratio:					
Debt/equity	24.9	25.7	24.6	24.3	24.0
Debt/assets	20.0	20.4	19.7	19.6	19.4
Wyoming					
	<i>Number</i>				
Farms	9,200	9,200	9,200	9,200	9,100
	<i>Thousand dollars</i>				
Farm assets	6,872,820	7,651,851	7,771,912	8,124,634	8,669,474
Real estate	5,025,731	5,628,216	5,927,762	6,385,229	6,819,177
Livestock and poultry ¹	1,034,914	1,129,990	973,800	842,874	964,256
Machinery and motor vehicles ²	413,521	422,367	429,985	428,444	419,944
Crops ³	125,405	178,163	141,142	188,548	178,385
Purchased inputs	25,258	20,088	25,721	15,925	21,604
Financial	247,991	273,027	273,502	263,614	266,108
Farm debt	834,429	911,202	899,612	918,706	954,707
By purpose:					
Real estate	411,680	439,074	419,859	415,143	442,888
Nonreal estate ⁴	422,749	472,128	479,753	503,563	511,819
By lender:					
Farm Credit System	208,338	218,650	145,421	129,712	139,561
Farm Service Agency ⁵	63,272	58,237	55,476	50,975	53,093
Commercial banks	300,559	354,118	410,516	439,671	439,689
Life insurance companies	58,363	65,570	61,504	61,816	74,438
Individuals and others	203,896	214,627	226,694	236,533	247,924
Equity	6,038,391	6,740,649	6,872,300	7,205,928	7,714,767
	<i>Percent</i>				
Ratio:					
Debt/equity	13.8	13.5	13.1	12.8	12.4
Debt/assets	12.1	11.9	11.6	11.3	11.0

¹Excludes horses, mules, and broilers.²Include only farm share value for trucks and autos.³All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.⁴Excludes debt for nonfarm purposes.⁵Farmers Home Administration prior to 1994.

Source: Economic Research Service, U.S. Department of Agriculture.

Farm Sector Financial Performance Improved Across the Nation

Ken Erickson

Financial ratios reflect the stresses and strains on resources used in agricultural production at the sector level (United States, production region, and State). They are not representative of individual farms, but are composites or averages of all farms. The nature and structure of agriculture varies not only across regions and States at a point in time (for example, between the Corn Belt and the Mountain States in 1996), but also within regions and States over time (for example, the Corn Belt in 1990 and 1996). The financial ratios can be estimated by USDA production regions to provide a perspective about the extent of variation in performance.³

Overall profitability and solvency for the “average farm” in each region was much higher in 1996 than in 1985 (during the “farm financial crisis” years). Also, overall profitability and solvency were noticeably higher in 1996 than in 1990.

³The USDA production regions are Northeast (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont); Lake States (Michigan, Minnesota, Wisconsin); Corn Belt (Illinois, Indiana, Iowa, Missouri, Ohio); Northern Plains (Kansas, Nebraska, North Dakota, South Dakota); Appalachia (Kentucky, North Carolina, Tennessee, Virginia, West Virginia); Southeast (Alabama, Florida, Georgia, South Carolina); Delta (Arkansas, Louisiana, Mississippi); Southern Plains (Oklahoma, Texas); Mountain (Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming); Pacific (California, Oregon, Washington). Alaska and Hawaii have been omitted due to insufficient data.

Total returns to farm assets (from current income and from real capital gains) in 1996 were highest in the Pacific States (9.2 percent, down from 9.5 percent in 1990). Other regions with total rates of return on farm assets greater than the U.S. 1996 average of 6.3 percent include the Corn Belt (8.2 percent), the Northern Plains (8.9 percent), Southeast (6.5 percent), Delta (6.6 percent). Those regions with total rates of return on farm assets less than the U.S. average include the Northeast (2.8 percent), the Lake States (3.9 percent), Appalachia (5.3 percent), Southern Plains (2.8 percent), and Mountain States (5.4 percent). These rates of return in 1996 are in contrast to a decade earlier when they were negative for each production region.

The Northeast (12.1 percent), Mountain (12.3 percent), Appalachia (12.7 percent), Southern Plains (12.9 percent), Southeast (14.5 percent), and Corn Belt (14.7 percent) had debt-to-asset ratios (solvency measures) less than the U.S. average of 15.1 percent. Solvency ratios exceeded the U.S. average in the Pacific region (17.1 percent), Lake States (18.9 percent), the Delta (18.7 percent), and Northern Plains (18.7 percent). Most regions had very similar or even lower debt-to-asset ratios in 1996 compared with 1990, and according to this measure, were notably more solvent than in 1985.

Definition of Financial Ratios¹

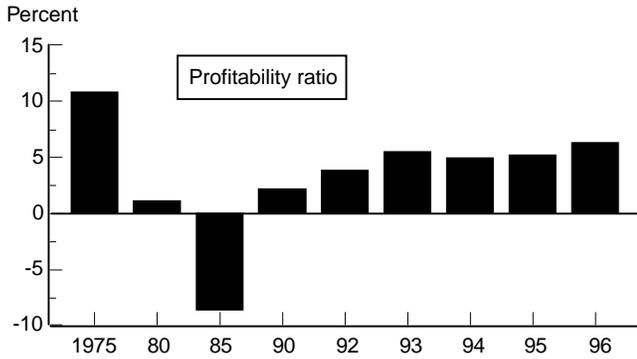
Ratio	Computation method	Significance
Liquidity:		
Farm business debt service coverage	$\frac{\text{Net cash farm income} + \text{interest}}{\text{Interest} + \text{principal payments}}$	Measures the farm business's ability to repay both interest and principal
Debt servicing	$\frac{\text{Interest} + \text{principal payments}}{\text{Gross cash farm income}}$	Measures the share of the farm business's gross income needed to service debt
Times interest	$\frac{\text{Net farm income before interest and taxes}}{\text{Interest payments}}$	Measures the farm business's ability to service debt out of net income earned
Efficiency:		
Gross ratio	$\frac{\text{Cash operating expenses}}{\text{Gross cash farm income}}$	Measures the proportion of gross cash farm income absorbed by cash operating expenses
Interest to gross cash income	$\frac{\text{Interest}}{\text{Gross cash farm income}}$	Measures the share of gross cash farm income committed to interest payments
Asset turnover	$\frac{\text{Gross cash farm income}}{\text{Farm business assets}}$	Measures the gross farm income generated per dollar of farm business assets
Net cash farm income to debt (debt burden ratio)	$\frac{\text{Net cash farm income}}{\text{Farm business debt}}$	Measures the burden placed on net cash farm income to retire outstanding debt
Solvency:		
Debt to assets	$\frac{\text{Farm business debt}}{\text{Farm business assets}}$	Measures debt pledged against farm business assets, indicating overall financial risk
Debt to equity	$\frac{\text{Debt}}{\text{Equity}}$	Measures the relative proportion of funds invested by creditors (debt) and owners (equity)
Profitability:		
Rates of return on assets—		
Current income	$\frac{\text{Returns to farm assets from current income}}{\text{Farm business assets}}$	Measures how efficiently the farm business uses its assets; the per dollar return on farm assets (from current income only)
Real capital gains	$\frac{\text{Real capital gains on farm business assets}}{\text{Farm business assets}}$	The per dollar return on farm assets from real capital gains
Rates of return on equity—		
Current income	$\frac{\text{Returns to farm assets from current income} - \text{interest}}{\text{Farm business equity}}$	Measures the returns to equity capital employed in farm business from current income less interest
Real capital gains	$\frac{\text{Real capital gains on farm business assets}}{\text{Farm business equity}}$	The per dollar return on farm equity from real capital gains
Operating profit margin	$\frac{\text{Returns to farm assets}}{\text{Gross cash farm income}}$	Measures profits earned per dollar of gross cash income

¹ Asset, debt, and equity values are an average for December 31 of the current and previous years.

Figure 4-1

Rates of return to assets, 1975-96¹

Farm sector investments have been profitable in the 1990's

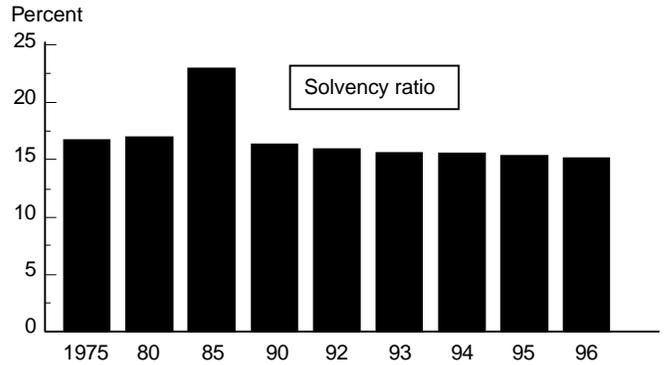


¹Return to farm assets from current income and real capital gains.

Figure 4-2

Debt asset ratios, 1975-96¹

Farm sector solvency steadily improving

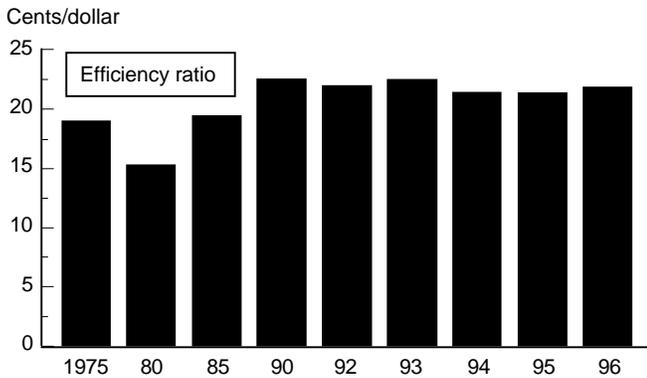


¹Farm business debt/farm business assets.

Figure 4-3

Asset turnover ratios, 1975-96¹

Greater gross returns per dollar invested in the 1990's

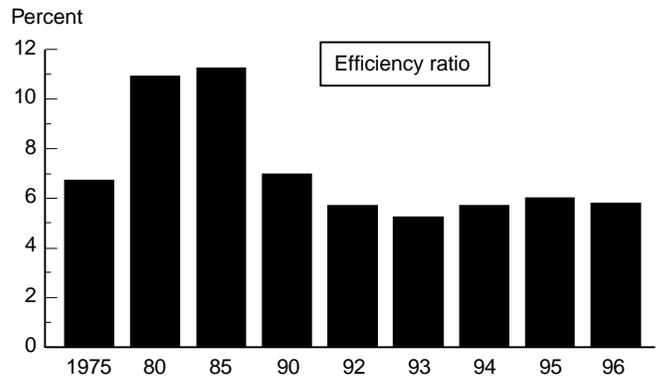


¹Measures gross cash income generated per dollar of farm assets.

Figure 4-4

Interest-to-gross-cash income ratios, 1975-96¹

Lower income and larger debt boosted ratio slightly in 1995

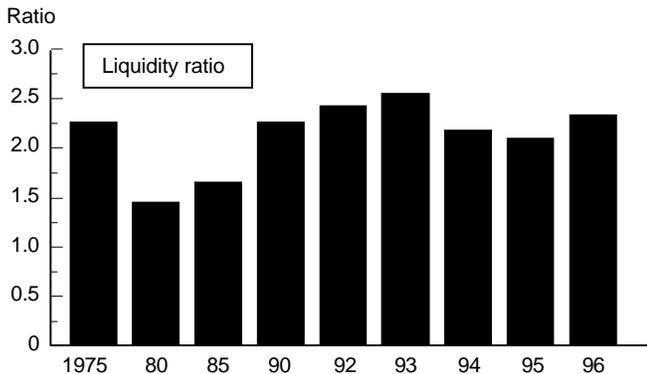


¹Interest payment/gross cash farm income.

Figure 4-5

Farm debt service coverage ratios, 1975-96¹

Liquidity has improved in the 1990's

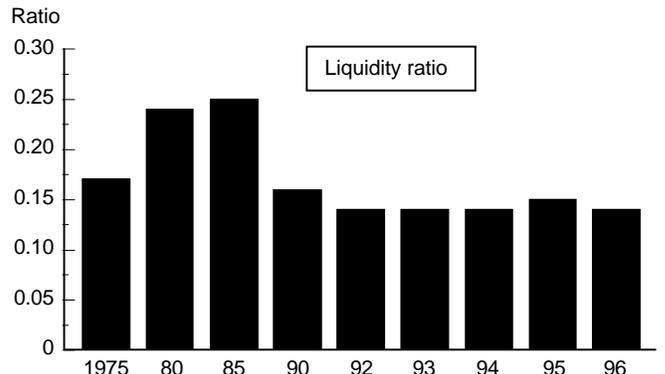


¹Net cash income + interest/interest + principal payments.

Figure 4-6

Debt servicing ratios, 1975-96¹

Farmers have been better able to pay debts in 1990's



¹Interest + principal payments/gross cash farm income.

Table 4-1—Farm financial ratios, United States, 1960-96

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
1960	3.48	0.12	10.46	63.37	3.63	20.16	64.28
1961	3.51	0.12	10.51	62.97	3.65	20.73	64.45
1962	3.25	0.12	9.77	64.39	3.84	20.77	59.74
1963	2.93	0.13	8.72	65.62	4.19	20.47	54.13
1964	2.71	0.15	7.44	64.96	4.52	19.88	51.08
1965	2.62	0.15	8.02	65.23	4.71	19.86	49.04
1966	2.82	0.15	7.82	63.81	4.70	20.72	51.36
1967	2.35	0.16	6.57	67.53	5.30	19.33	43.03
1968	2.31	0.17	6.24	66.96	5.49	19.15	43.09
1969	2.56	0.16	6.48	65.45	5.52	20.01	46.60
1970	2.45	0.16	6.02	66.45	5.85	20.04	45.34
1971	2.27	0.17	5.97	68.08	5.98	19.46	42.00
1972	2.58	0.16	6.76	64.72	5.58	20.47	47.95
1973	3.35	0.13	8.99	60.15	4.91	23.80	63.95
1974	2.86	0.15	6.33	62.86	5.79	21.61	56.09
1975	2.26	0.17	5.50	67.38	6.70	18.90	44.34
1976	2.05	0.19	4.22	69.21	7.22	17.64	40.79
1977	1.74	0.21	3.76	71.93	8.21	15.98	34.81
1978	1.77	0.21	3.82	71.75	8.35	16.53	36.03
1979	1.57	0.22	3.40	75.28	9.27	16.23	32.94
1980	1.45	0.24	2.23	76.13	10.91	15.23	31.31
1981	1.32	0.27	2.57	77.55	13.09	14.86	29.72
1982	1.39	0.28	2.28	74.82	13.87	15.70	31.83
1983	1.38	0.28	1.87	74.62	13.61	16.01	31.02
1984	1.35	0.27	2.43	76.02	12.99	17.34	29.99
1985	1.65	0.25	2.78	70.14	11.25	19.37	34.95
1986	1.82	0.23	3.15	68.67	10.28	20.42	38.02
1987	2.14	0.19	3.83	67.57	8.78	22.28	45.11
1988	2.24	0.17	4.02	68.98	7.95	35.24	47.60
1989	2.24	0.16	4.64	70.72	7.47	22.39	47.69
1990	2.26	0.16	4.77	71.70	6.96	22.50	47.74
1991	2.20	0.15	4.67	72.68	6.37	21.78	44.75
1992	2.42	0.14	5.82	70.82	5.71	21.92	47.26
1993	2.55	0.14	5.55	70.59	5.23	22.43	49.25
1994	2.17	0.14	5.67	74.42	5.72	21.40	42.91
1995	2.10	0.15	4.41	75.04	6.00	21.27	42.59
1996	2.33	0.14	5.47	72.83	5.79	21.84	47.35

See footnote at end of table.

Continued—

Table 4-1—Farm financial ratios, United States, 1960-96—Continued

State	Solvency		Profitability						Returns to farm assets to gross cash farm income
	Debt to assets	Debt to equity	Rates of return on assets from:			Rates of return on equity from:			
			Current income	Real capital gains	Total	Current income	Real capital gains	Total	
<i>Percent</i>									
1960	12.87	14.78	2.29	0.14	2.43	1.79	0.39	2.18	11.37
1961	13.29	15.33	2.93	3.71	6.63	2.50	4.36	6.85	14.11
1962	14.12	16.44	2.90	2.55	5.45	2.44	3.16	5.60	13.99
1963	15.03	17.69	2.99	3.37	6.36	2.49	4.15	6.64	14.59
1964	15.75	18.69	2.36	3.27	5.63	1.73	4.08	5.81	11.89
1965	16.22	19.36	3.39	4.87	8.26	2.92	6.09	9.02	17.06
1966	16.76	20.14	3.68	2.73	6.42	3.24	3.86	7.10	17.77
1967	17.16	20.72	2.76	1.92	4.68	2.09	2.84	4.93	14.30
1968	17.08	20.60	2.51	0.88	3.38	1.76	1.87	3.63	13.10
1969	17.33	20.97	3.07	-0.14	2.94	2.38	0.68	3.05	15.36
1970	17.48	21.19	2.95	-0.53	2.42	2.15	0.31	2.46	14.73
1971	17.64	21.42	3.03	2.94	5.97	2.26	4.34	6.61	15.56
1972	17.27	20.88	4.22	7.14	11.36	3.72	9.32	13.04	20.59
1973	16.16	19.28	7.71	11.25	18.96	7.85	14.74	22.58	32.39
1974	16.89	20.32	4.55	-1.23	3.32	3.95	0.40	4.35	21.05
1975	16.65	19.97	3.62	7.20	10.82	2.83	9.85	12.68	19.16
1976	16.26	19.42	2.11	9.43	11.54	1.00	12.24	13.24	11.95
1977	17.02	20.50	1.76	3.72	5.49	0.54	5.61	6.16	11.04
1978	16.60	19.91	2.37	8.00	10.37	1.19	10.98	12.17	14.32
1979	16.87	20.30	2.54	5.25	7.79	1.25	7.96	9.21	15.68
1980	16.97	20.44	1.20	-0.03	1.17	-0.56	1.83	1.27	7.88
1981	18.57	22.80	2.29	-6.34	-4.05	0.42	-6.18	-5.76	15.40
1982	19.99	24.98	2.21	-7.24	-5.03	0.04	-7.84	-7.80	14.06
1983	20.26	25.40	1.31	-2.42	-1.11	-1.09	-2.01	-3.10	8.19
1984	22.61	29.22	3.24	-12.51	-9.27	1.25	-15.03	-13.77	18.67
1985	22.98	29.84	3.63	-12.28	-8.65	1.88	-14.72	-12.84	18.76
1986	21.66	27.65	3.11	-7.40	-4.28	1.31	-8.82	-7.51	15.25
1987	19.10	23.61	4.12	0.88	5.00	2.71	2.22	4.93	18.49
1988	17.64	21.43	5.98	1.29	7.27	2.47	1.97	4.44	16.96
1989	16.89	20.32	4.36	-0.89	3.47	3.25	-0.15	3.10	19.48
1990	16.36	19.56	4.01	-1.82	2.19	2.93	-1.11	1.82	17.83
1991	16.44	19.67	2.93	-1.94	0.99	1.84	-1.70	0.14	13.43
1992	15.94	18.96	3.98	-0.15	3.84	3.26	0.42	3.68	18.17
1993	15.61	18.50	2.91	2.44	5.35	2.07	3.32	5.39	12.99
1994	15.60	18.48	3.58	1.33	4.91	2.79	2.01	4.79	16.71
1995	15.33	18.10	2.13	3.10	5.24	1.01	4.13	5.14	10.02
1996	15.09	17.77	3.77	2.52	6.29	2.95	3.38	6.33	17.25

Source: Economic Research Service, U.S. Department of Agriculture.

Table 4-2—Farm financial ratios by State, 1992

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
Alabama	4.73	0.09	10.91	61.99	3.36	28.86	94.44
Alaska	3.04	0.14	5.69	63.77	6.62	5.53	60.34
Arizona	2.99	0.15	6.43	62.61	6.29	16.26	68.85
Arkansas	2.92	0.11	6.45	71.30	4.58	33.39	56.73
California	2.84	0.12	6.78	69.75	4.84	28.24	53.31
Colorado	2.01	0.14	4.43	78.06	5.67	24.84	40.69
Connecticut	5.28	0.09	13.67	58.12	3.08	21.96	108.31
Delaware	2.70	0.09	6.66	78.92	3.23	48.39	51.11
Florida	5.09	0.10	11.54	53.99	4.34	26.28	88.14
Georgia	3.86	0.12	8.89	60.20	4.69	29.73	73.72
Hawaii	2.09	0.10	5.46	82.98	4.07	12.92	38.45
Idaho	2.55	0.16	6.10	64.55	6.05	25.30	49.35
Illinois	1.38	0.18	4.41	83.15	7.36	15.82	26.68
Indiana	1.15	0.18	3.44	87.10	7.80	18.29	21.64
Iowa	1.97	0.16	4.85	74.21	6.61	22.65	38.37
Kansas	1.95	0.15	5.35	77.13	5.68	27.67	41.30
Kentucky	3.20	0.14	7.59	60.89	5.61	20.16	58.17
Louisiana	2.16	0.16	4.24	72.12	6.07	26.62	45.76
Maine	2.75	0.13	8.75	70.03	4.60	26.13	59.55
Maryland	2.65	0.12	6.32	73.08	4.63	22.24	47.66
Massachusetts	3.59	0.13	10.16	58.12	4.27	15.77	72.29
Michigan	1.94	0.14	4.48	77.61	5.63	22.50	37.12
Minnesota	1.91	0.17	4.14	73.49	6.63	21.16	37.27
Mississippi	1.88	0.16	4.12	76.78	6.25	26.41	38.01
Missouri	1.54	0.19	3.43	78.62	7.80	16.32	29.57
Montana	2.25	0.21	4.18	61.60	8.73	12.89	41.32
Nebraska	2.27	0.15	6.46	71.63	5.53	28.69	47.57
Nevada	2.77	0.15	4.80	65.88	6.34	11.24	49.69
New Hampshire	4.81	0.09	14.35	62.17	3.05	16.24	94.06
New Jersey	3.13	0.11	9.25	68.24	3.80	11.62	55.15
New Mexico	3.10	0.13	7.43	65.54	4.93	15.63	59.90
New York	2.48	0.14	5.78	69.78	5.11	23.61	51.17
North Carolina	5.50	0.08	13.35	58.64	3.08	38.37	104.44
North Dakota	2.03	0.20	5.20	68.09	7.77	18.21	41.51
Ohio	2.34	0.13	5.42	74.21	5.71	17.66	45.10
Oklahoma	1.93	0.19	4.44	70.71	7.19	19.32	40.20
Oregon	2.17	0.14	4.93	75.54	5.26	23.30	36.86
Pennsylvania	3.09	0.12	7.51	68.39	4.51	19.95	58.10
Rhode Island	6.85	0.09	24.30	41.50	2.49	21.97	129.37
South Carolina	3.09	0.13	6.68	65.56	4.95	18.99	58.23
South Dakota	2.07	0.20	5.97	65.65	7.18	19.50	42.64
Tennessee	2.45	0.17	5.47	65.71	6.28	13.90	47.30
Texas	2.29	0.15	5.66	71.88	5.96	17.53	47.85
Utah	2.89	0.15	7.04	61.45	6.20	14.36	56.99
Vermont	3.20	0.12	8.84	64.60	4.48	21.92	60.50
Virginia	2.74	0.15	5.90	63.99	6.40	14.66	50.34
Washington	2.93	0.11	7.55	71.83	4.05	29.63	56.27
West Virginia	2.00	0.19	3.58	69.98	8.04	10.58	34.09
Wisconsin	2.14	0.16	3.97	72.75	6.05	25.82	42.38
Wyoming	2.00	0.19	5.05	69.26	7.13	13.45	39.55
United States	2.42	0.14	5.82	70.82	5.71	21.92	47.26

See footnote at end of table.

Continued—

Table 4-2—Farm financial ratios by State, 1992—Continued

State	Solvency		Profitability						Returns to farm assets to gross cash farm income
	Debt to assets	Debt to equity	Rates of return on assets from:			Rates of return on equity from:			
			Current income	Real capital gains	Total	Current income	Real capital gains	Total	
<i>Percent</i>									
Alabama	12.18	13.87	5.51	2.07	7.58	5.20	2.82	8.01	19.09
Alaska	3.39	3.51	-0.17	-4.21	-4.38	-0.56	-4.24	-4.80	-3.14
Arizona	9.83	10.90	5.32	-1.25	4.07	4.79	-1.02	3.77	32.69
Arkansas	19.13	23.66	6.74	1.17	7.91	6.48	2.21	8.68	20.18
California	18.36	22.48	7.09	-0.34	6.75	7.03	0.29	7.31	25.10
Colorado	16.29	19.46	3.37	2.02	5.39	2.36	3.06	5.42	13.57
Connecticut	8.67	9.49	3.75	7.95	11.70	3.38	9.06	12.44	17.08
Delaware	23.06	29.98	8.00	4.76	12.77	8.37	7.06	15.43	16.54
Florida	15.31	18.07	9.94	-2.40	7.54	10.35	-2.29	8.07	37.83
Georgia	17.36	21.01	9.18	4.32	13.50	9.48	5.94	15.42	30.86
Hawaii	7.29	7.86	1.23	-0.66	0.57	0.76	-0.48	0.28	9.53
Idaho	21.28	27.02	6.85	-0.54	6.31	6.76	0.14	6.89	27.07
Illinois	14.37	16.78	4.19	-2.37	1.81	3.53	-2.26	1.27	26.45
Indiana	16.98	20.46	2.73	0.51	3.24	1.58	1.27	2.85	14.91
Iowa	18.81	23.16	5.16	0.90	6.06	4.53	1.84	6.36	22.78
Kansas	19.04	23.52	4.99	-1.70	3.29	4.23	-1.38	2.84	18.03
Kentucky	14.96	17.59	5.01	3.36	8.37	4.59	4.55	9.14	24.85
Louisiana	19.28	23.88	4.97	1.53	6.49	4.18	2.68	6.86	18.66
Maine	15.06	17.72	4.91	2.48	7.40	4.38	3.46	7.84	18.81
Maryland	14.12	16.44	2.74	8.15	10.89	2.00	10.08	12.08	12.32
Massachusetts	10.09	11.22	2.50	6.96	9.46	2.03	8.08	10.12	15.86
Michigan	16.91	20.36	-1.17	-0.03	-1.19	-2.93	0.59	-2.34	-5.19
Minnesota	18.75	23.08	0.79	-0.43	0.37	-0.75	0.18	-0.57	3.75
Mississippi	19.57	24.33	5.00	-1.02	3.97	4.21	-0.47	3.74	18.92
Missouri	15.74	18.69	0.62	-0.29	0.33	-0.78	0.24	-0.53	3.82
Montana	14.47	16.91	2.31	1.93	4.24	1.38	2.80	4.18	17.88
Nebraska	20.73	26.15	6.64	-3.13	3.51	6.36	-3.16	3.19	23.16
Nevada	9.20	10.13	1.60	-5.84	-4.23	0.98	-6.11	-5.13	14.27
New Hampshire	7.08	7.62	1.91	2.51	4.41	1.52	2.93	4.45	11.75
New Jersey	7.58	8.21	0.58	0.22	0.80	0.14	0.49	0.63	4.95
New Mexico	10.59	11.84	3.82	-12.28	-8.46	3.40	-13.33	-9.94	24.43
New York	16.23	19.37	0.12	5.34	5.46	-1.30	6.96	5.66	0.50
North Carolina	15.60	18.49	14.78	1.94	16.72	16.25	2.92	19.17	38.52
North Dakota	16.81	20.20	4.98	1.55	6.52	4.31	2.52	6.84	27.33
Ohio	12.16	13.84	1.92	0.45	2.37	1.04	0.94	1.98	10.87
Oklahoma	17.12	20.66	1.68	-0.74	0.94	0.35	-0.24	0.12	8.71
Oregon	17.49	21.20	1.94	2.60	4.54	0.88	3.93	4.81	8.34
Pennsylvania	12.54	14.33	0.00	-3.28	-3.28	-1.03	-3.31	-4.34	-0.01
Rhode Island	10.19	11.35	9.68	7.33	17.01	10.19	8.52	18.71	44.07
South Carolina	12.71	14.56	1.76	-4.86	-3.10	0.94	-5.12	-4.17	9.27
South Dakota	19.00	23.46	5.35	-2.80	2.55	4.88	-2.74	2.14	27.44
Tennessee	11.64	13.17	0.39	3.33	3.72	-0.54	4.20	3.65	2.83
Texas	12.10	13.76	3.62	-0.91	2.71	2.95	-0.59	2.35	20.67
Utah	10.79	12.10	2.80	4.44	7.24	2.15	5.40	7.55	19.49
Vermont	13.71	15.89	0.58	7.26	7.84	-0.47	9.03	8.56	2.64
Virginia	12.40	14.15	2.25	-4.34	-2.10	1.50	-4.52	-3.03	15.34
Washington	16.68	20.02	6.76	-1.00	5.76	6.69	-0.57	6.12	22.80
West Virginia	11.91	13.52	-2.77	-5.25	-8.02	-4.11	-5.54	-9.65	-26.21
Wisconsin	19.95	24.92	-0.74	2.21	1.47	-2.89	3.55	0.66	-2.88
Wyoming	12.14	13.82	2.60	4.33	6.92	1.88	5.43	7.31	19.30
United States	15.94	18.96	3.98	-0.15	3.84	3.26	0.42	3.68	18.17

Source: Economic Research Service, U.S. Department of Agriculture.

Table 4-3—Farm financial ratios by State, 1993

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
Alabama	4.64	0.09	10.22	63.57	3.41	27.90	94.69
Alaska	4.46	0.10	10.28	60.16	3.84	5.56	78.82
Arizona	3.64	0.12	9.54	61.60	4.32	17.65	76.21
Arkansas	2.43	0.12	5.58	76.11	4.78	31.97	47.40
California	2.86	0.12	7.25	71.29	4.56	29.99	53.62
Colorado	2.47	0.12	6.06	75.01	4.56	25.69	47.60
Connecticut	5.92	0.08	17.66	57.49	2.46	21.22	114.30
Delaware	2.68	0.09	6.47	78.66	3.17	45.27	49.32
Florida	4.34	0.10	9.94	59.59	4.46	25.75	75.05
Georgia	3.78	0.11	8.50	63.52	4.25	29.80	71.08
Hawaii	1.85	0.10	5.62	85.84	3.70	12.18	32.74
Idaho	2.65	0.15	7.14	64.89	5.71	25.47	51.94
Illinois	2.11	0.15	3.94	73.80	6.25	17.26	39.97
Indiana	2.23	0.14	3.74	74.17	6.05	20.92	40.57
Iowa	2.06	0.17	2.56	72.58	6.61	22.23	39.80
Kansas	2.17	0.14	4.97	74.68	5.34	27.95	45.35
Kentucky	3.63	0.12	7.00	59.93	4.93	20.43	64.09
Louisiana	2.06	0.15	4.08	75.04	5.73	27.07	42.71
Maine	2.69	0.12	8.14	70.72	4.09	24.85	54.89
Maryland	2.90	0.11	6.51	71.65	3.93	20.54	48.62
Massachusetts	3.50	0.13	10.04	60.10	4.06	14.94	67.78
Michigan	1.98	0.13	5.03	78.50	4.95	23.23	37.12
Minnesota	1.57	0.18	1.73	78.83	6.68	20.81	30.40
Mississippi	1.71	0.15	3.07	80.92	6.04	26.42	34.96
Missouri	1.50	0.19	2.53	79.58	7.51	15.74	28.27
Montana	2.29	0.20	6.27	63.07	7.80	12.54	40.83
Nebraska	2.27	0.15	5.05	71.77	5.61	29.20	47.95
Nevada	3.02	0.13	7.29	66.59	5.20	12.18	52.32
New Hampshire	4.82	0.08	13.90	62.71	2.76	15.69	88.26
New Jersey	3.51	0.11	9.54	65.43	3.79	12.19	62.82
New Mexico	3.11	0.12	7.59	66.98	4.63	16.71	59.77
New York	2.56	0.14	6.46	69.01	4.58	22.75	50.82
North Carolina	5.95	0.07	15.04	58.35	2.72	40.27	114.29
North Dakota	2.16	0.18	3.68	67.04	7.01	18.37	43.64
Ohio	2.99	0.12	4.82	70.00	4.85	18.77	56.23
Oklahoma	2.28	0.17	5.33	67.54	6.17	20.61	46.48
Oregon	2.27	0.12	5.70	77.44	4.79	23.38	40.11
Pennsylvania	3.40	0.11	7.62	67.03	3.82	20.21	60.48
Rhode Island	6.72	0.09	20.87	41.55	2.91	21.04	129.80
South Carolina	3.04	0.12	6.16	68.70	4.48	20.08	58.68
South Dakota	2.21	0.19	5.08	64.16	7.20	20.66	46.57
Tennessee	2.38	0.16	5.27	68.90	5.89	13.51	44.72
Texas	2.81	0.13	7.20	68.80	4.72	18.98	56.08
Utah	3.21	0.14	7.92	61.23	5.11	14.57	61.09
Vermont	3.28	0.12	7.57	64.93	4.07	21.21	60.12
Virginia	2.61	0.15	5.08	66.80	5.95	14.44	46.58
Washington	2.96	0.10	8.05	73.65	3.85	30.29	56.49
West Virginia	2.28	0.16	3.87	70.26	6.71	12.50	38.33
Wisconsin	1.76	0.16	3.11	78.01	5.83	24.79	34.16
Wyoming	1.99	0.18	5.98	70.34	6.67	12.87	38.92
United States	2.55	0.14	5.55	70.59	5.23	22.43	49.25

See footnote at end of table.

Continued—

Table 4-4—Farm financial ratios by State, 1994

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
Alabama	4.50	0.09	10.58	64.21	3.53	26.14	93.33
Alaska	2.98	0.14	4.57	66.31	8.65	5.33	82.19
Arizona	2.45	0.13	6.00	72.38	4.99	15.89	52.89
Arkansas	3.01	0.11	6.65	71.18	4.50	34.49	59.11
California	2.79	0.12	6.80	71.96	4.75	31.42	53.55
Colorado	1.66	0.14	3.71	82.75	5.42	22.76	33.18
Connecticut	5.00	0.08	13.63	61.49	3.14	20.58	104.68
Delaware	2.46	0.09	6.08	81.54	3.49	45.55	49.19
Florida	3.85	0.11	8.56	61.17	5.11	24.55	68.66
Georgia	4.05	0.11	10.25	61.64	4.30	31.21	79.50
Hawaii	1.59	0.09	5.08	89.16	3.95	11.98	29.08
Idaho	1.79	0.16	4.65	77.21	6.30	24.15	36.66
Illinois	1.49	0.17	5.03	81.31	6.97	14.80	28.21
Indiana	1.25	0.17	3.74	85.89	7.13	16.88	22.68
Iowa	1.37	0.18	5.17	82.11	7.30	20.01	26.32
Kansas	1.89	0.15	5.01	77.73	5.78	26.82	40.27
Kentucky	3.11	0.14	6.64	62.53	5.92	18.24	57.40
Louisiana	2.06	0.15	4.99	75.61	5.86	27.51	43.16
Maine	2.02	0.14	6.15	77.00	4.97	24.34	43.84
Maryland	2.18	0.12	5.15	78.06	5.13	18.62	39.52
Massachusetts	3.09	0.13	8.16	64.81	4.92	14.98	64.05
Michigan	1.65	0.14	3.39	82.14	5.73	21.96	32.51
Minnesota	1.10	0.19	4.01	86.35	7.76	20.44	22.08
Mississippi	1.63	0.14	4.51	82.31	5.90	25.92	33.10
Missouri	1.58	0.18	3.40	78.68	7.30	16.05	29.76
Montana	1.70	0.21	3.61	72.91	8.71	11.66	31.53
Nebraska	1.76	0.17	5.22	76.34	6.64	25.73	37.89
Nevada	2.09	0.13	5.25	78.45	5.45	12.04	37.39
New Hampshire	3.97	0.09	11.10	67.06	3.58	15.09	77.11
New Jersey	3.82	0.10	9.85	65.70	4.00	12.73	71.92
New Mexico	2.12	0.13	5.67	77.65	5.16	15.49	41.67
New York	2.04	0.15	4.90	75.01	5.50	22.44	42.82
North Carolina	5.46	0.08	14.34	59.59	3.10	41.26	112.61
North Dakota	1.75	0.20	4.44	72.52	7.76	17.50	36.29
Ohio	2.59	0.12	6.07	73.01	5.16	16.84	48.64
Oklahoma	1.63	0.18	5.07	76.65	6.66	19.30	33.58
Oregon	2.07	0.12	5.08	79.98	4.83	21.41	37.87
Pennsylvania	2.61	0.12	5.75	73.67	4.77	19.44	49.93
Rhode Island	6.10	0.10	16.14	45.25	3.67	20.36	124.90
South Carolina	3.43	0.11	8.68	65.40	4.45	20.76	70.18
South Dakota	1.96	0.21	5.79	67.54	7.73	20.18	41.94
Tennessee	2.49	0.16	5.39	67.32	6.58	13.61	49.09
Texas	2.55	0.14	6.55	70.19	5.06	18.03	51.73
Utah	2.24	0.15	5.70	72.95	5.67	13.38	44.43
Vermont	2.61	0.13	6.28	70.45	5.19	20.48	50.83
Virginia	2.60	0.15	5.74	67.43	6.24	14.27	47.91
Washington	2.61	0.11	6.05	76.23	4.15	29.22	51.09
West Virginia	1.96	0.16	3.77	75.11	7.10	12.46	34.38
Wisconsin	1.20	0.17	3.17	86.08	6.73	23.64	24.34
Wyoming	1.33	0.21	2.68	79.87	8.17	11.25	27.12
United States	2.17	0.14	5.67	74.42	5.72	21.40	42.91

See footnote at end of table.

Continued—

Table 4-4—Farm financial ratios by State, 1994—Continued

State	Solvency		Profitability						Returns to farm assets to gross cash farm income
	Debt to assets	Debt to equity	Rates of return on assets from:			Rates of return on equity from:			
			Current income	Real capital gains	Total	Current income	Real capital gains	Total	
<i>Percent</i>									
Alabama	10.71	12.00	6.66	6.07	12.74	6.45	7.11	13.56	25.50
Alaska	2.70	2.77	-0.13	-0.96	-1.08	-0.61	-0.92	-1.52	-2.39
Arizona	9.65	10.69	3.33	3.22	6.55	2.81	3.83	6.64	20.95
Arkansas	19.36	24.01	7.70	-0.68	7.02	7.63	-0.28	7.35	22.32
California	19.62	24.41	7.71	-2.80	4.91	7.70	-2.92	4.78	24.54
Colorado	15.48	18.32	1.72	3.01	4.73	0.57	3.99	4.56	7.54
Connecticut	8.34	9.10	3.98	-0.99	2.99	3.64	-0.88	2.76	19.36
Delaware	18.79	23.13	5.83	3.00	8.83	5.32	4.40	9.72	12.80
Florida	15.93	18.95	7.22	-0.56	6.67	7.08	-0.23	6.85	29.42
Georgia	16.69	20.03	9.88	2.84	12.72	10.26	3.87	14.13	31.66
Hawaii	6.13	6.53	0.80	-7.43	-6.62	0.35	-7.75	-7.40	6.70
Idaho	19.44	24.13	4.39	2.09	6.48	3.55	3.12	6.67	18.18
Illinois	13.26	15.28	4.05	4.20	8.25	3.48	5.21	8.69	27.35
Indiana	15.69	18.62	0.76	2.77	3.53	-0.52	3.72	3.20	4.52
Iowa	19.11	23.63	5.37	0.56	5.93	4.83	1.24	6.08	26.84
Kansas	18.59	22.84	5.23	1.46	6.69	4.53	2.33	6.86	19.50
Kentucky	13.82	16.04	3.25	4.02	7.27	2.51	5.03	7.54	17.79
Louisiana	18.94	23.36	5.78	4.07	9.84	5.16	5.60	10.76	21.00
Maine	15.90	18.90	0.63	-1.70	-1.07	-0.69	-1.59	-2.28	2.58
Maryland	12.35	14.09	1.42	6.29	7.71	0.53	7.55	8.08	7.61
Massachusetts	9.44	10.43	2.14	-1.01	1.13	1.54	-0.87	0.68	14.26
Michigan	15.68	18.60	-1.67	2.81	1.13	-3.49	3.78	0.29	-7.62
Minnesota	20.26	25.40	1.40	-1.27	0.12	-0.24	-1.03	-1.26	6.83
Mississippi	18.51	22.71	4.35	-0.50	3.85	3.46	-0.10	3.36	16.78
Missouri	15.49	18.33	0.69	-0.48	0.21	-0.56	-0.15	-0.71	4.32
Montana	13.39	15.46	1.56	3.62	5.19	0.63	4.52	5.15	13.41
Nebraska	20.66	26.04	5.99	1.26	7.25	5.39	2.19	7.58	23.29
Nevada	8.60	9.41	1.05	2.03	3.08	0.43	2.45	2.88	8.72
New Hampshire	7.14	7.69	-0.68	-1.15	-1.82	-1.31	-1.06	-2.37	-4.49
New Jersey	6.27	6.69	-0.08	4.40	4.31	-0.63	4.89	4.26	-0.64
New Mexico	10.00	11.11	1.96	1.23	3.19	1.29	1.63	2.93	12.65
New York	16.33	19.52	-2.15	-0.78	-2.93	-4.02	-0.49	-4.51	-9.57
North Carolina	16.21	19.34	17.24	2.45	19.69	18.99	3.33	22.32	41.79
North Dakota	17.14	20.69	4.48	0.48	4.95	3.76	1.04	4.80	25.58
Ohio	11.12	12.51	1.88	6.31	8.20	1.14	7.38	8.53	11.20
Oklahoma	17.37	21.03	2.19	-0.09	2.09	1.09	0.37	1.45	11.33
Oregon	13.60	15.74	2.40	4.53	6.93	1.59	5.65	7.24	11.21
Pennsylvania	12.16	13.85	-2.04	-0.21	-2.25	-3.38	0.08	-3.30	-10.50
Rhode Island	9.34	10.30	3.78	-0.82	2.95	3.35	-0.66	2.69	18.55
South Carolina	11.32	12.77	5.28	3.34	8.62	4.93	4.08	9.00	25.45
South Dakota	19.50	24.22	6.73	1.33	8.06	6.41	2.20	8.61	33.35
Tennessee	11.05	12.42	-0.63	1.22	0.59	-1.71	1.64	-0.07	-4.65
Texas	12.11	13.78	3.43	0.97	4.40	2.86	1.43	4.29	19.02
Utah	9.57	10.58	0.24	6.25	6.49	-0.58	7.19	6.61	1.77
Vermont	14.11	16.42	-1.01	2.54	1.53	-2.41	3.33	0.92	-4.91
Virginia	11.24	12.66	1.09	-0.18	0.91	0.23	0.10	0.33	7.67
Washington	16.18	19.30	6.73	0.02	6.75	6.57	0.46	7.03	23.04
West Virginia	11.32	12.76	-2.38	-2.29	-4.67	-3.70	-2.28	-5.98	-19.14
Wisconsin	19.71	24.55	-0.93	2.20	1.27	-3.16	3.34	0.18	-3.94
Wyoming	11.58	13.09	-0.27	2.27	2.00	-1.35	2.88	1.53	-2.43
United States	15.60	18.48	3.58	1.33	4.91	2.79	2.01	4.79	16.71

Source: Economic Research Service, U.S. Department of Agriculture.

Table 4-5—Farm financial ratios by State, 1995

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
Alabama	3.72	0.09	7.73	69.04	3.72	24.06	77.29
Alaska	5.40	0.08	11.72	59.18	3.41	5.66	105.29
Arizona	2.99	0.12	7.50	68.24	4.75	16.29	66.54
Arkansas	2.95	0.12	6.41	69.67	4.83	32.87	57.88
California	2.36	0.12	5.37	76.76	4.95	31.64	46.42
Colorado	1.48	0.14	3.72	84.55	5.85	22.38	30.28
Connecticut	4.19	0.09	11.11	66.50	3.22	19.72	87.56
Delaware	2.33	0.08	5.08	84.02	3.17	44.32	46.14
Florida	3.25	0.12	7.09	67.29	5.23	23.79	58.06
Georgia	3.92	0.11	8.92	62.71	4.35	32.21	78.29
Hawaii	1.23	0.09	3.97	92.81	3.66	11.44	23.51
Idaho	1.72	0.16	4.34	78.52	6.37	24.09	35.80
Illinois	1.96	0.17	2.92	73.99	7.15	14.94	38.51
Indiana	1.93	0.16	2.98	76.20	6.87	17.97	36.08
Iowa	2.05	0.17	3.92	71.63	7.29	21.50	40.87
Kansas	1.69	0.16	3.43	79.94	6.28	26.10	36.82
Kentucky	2.55	0.15	4.75	67.41	6.54	16.73	47.95
Louisiana	2.32	0.14	5.27	72.30	5.49	25.52	46.87
Maine	1.39	0.15	3.80	84.67	5.19	23.61	30.16
Maryland	2.20	0.11	4.05	79.51	4.60	18.92	39.17
Massachusetts	2.93	0.12	7.80	69.58	4.41	14.53	59.61
Michigan	2.22	0.14	4.68	74.84	5.63	22.16	44.47
Minnesota	1.46	0.20	3.04	79.37	8.16	21.34	30.32
Mississippi	2.11	0.14	4.12	76.17	5.48	26.79	41.74
Missouri	1.34	0.20	2.01	81.30	8.46	14.96	25.94
Montana	1.32	0.23	3.51	79.40	9.54	10.92	25.10
Nebraska	1.91	0.17	4.20	74.07	6.96	26.69	42.65
Nevada	1.68	0.14	4.14	81.87	6.08	10.40	30.66
New Hampshire	3.61	0.09	9.74	70.36	3.47	15.06	69.94
New Jersey	3.83	0.09	9.91	68.58	3.56	12.46	69.55
New Mexico	1.90	0.15	4.42	77.95	6.06	13.21	38.08
New York	1.68	0.15	3.78	79.97	5.55	23.13	35.39
North Carolina	4.81	0.08	11.28	62.98	3.28	41.28	102.55
North Dakota	1.52	0.22	2.55	75.38	8.77	17.02	32.87
Ohio	2.82	0.13	5.38	69.70	5.31	16.63	54.29
Oklahoma	1.32	0.21	2.77	80.91	8.06	18.19	28.07
Oregon	1.62	0.12	3.74	85.10	5.11	19.89	30.18
Pennsylvania	2.25	0.12	4.66	77.87	4.69	19.06	42.65
Rhode Island	4.73	0.12	12.98	48.91	4.27	19.65	91.61
South Carolina	3.00	0.11	6.57	70.12	4.40	20.36	61.99
South Dakota	1.89	0.21	3.53	68.29	8.42	20.09	41.54
Tennessee	1.86	0.17	4.17	74.65	7.21	12.28	36.93
Texas	1.88	0.15	4.40	78.47	5.74	17.98	39.74
Utah	1.87	0.16	4.65	76.90	6.22	11.74	37.95
Vermont	2.25	0.13	5.46	74.94	5.11	20.24	43.48
Virginia	2.43	0.14	5.26	70.93	6.12	13.82	44.93
Washington	2.41	0.11	5.23	78.72	4.24	30.63	48.96
West Virginia	1.65	0.16	2.59	80.07	7.14	11.90	29.37
Wisconsin	1.48	0.17	2.59	81.37	7.00	23.41	30.55
Wyoming	0.91	0.24	2.53	87.73	9.34	10.22	19.31
United States	2.10	0.15	4.41	75.04	6.00	21.27	42.59

See footnote at end of table.

Continued—

Table 4-5—Farm financial ratios by State, 1995—Continued

State	Solvency		Profitability						Returns to farm assets to gross cash farm income
	Debt to assets	Debt to equity	Rates of return on assets from:			Rates of return on equity from:			
			Current income	Real capital gains	Total	Current income	Real capital gains	Total	
<i>Percent</i>									
Alabama	10.88	12.21	3.72	5.72	9.44	3.17	6.71	9.88	15.48
Alaska	2.05	2.09	0.09	0.80	0.89	-0.10	0.89	0.79	1.62
Arizona	8.30	9.06	4.03	10.04	14.08	3.58	11.28	14.86	24.76
Arkansas	20.57	25.89	5.96	-4.48	1.48	5.46	-4.98	0.48	18.14
California	18.83	23.20	5.49	4.90	10.39	4.86	6.66	11.52	17.36
Colorado	15.98	19.02	2.01	3.68	5.68	0.83	4.82	5.65	8.96
Connecticut	8.21	8.94	1.01	0.53	1.54	0.41	0.81	1.22	5.12
Delaware	18.01	21.97	2.74	5.10	7.84	1.64	6.82	8.46	6.18
Florida	15.16	17.86	4.81	0.40	5.21	4.22	0.94	5.17	20.23
Georgia	17.54	21.28	9.35	4.04	13.39	9.60	5.38	14.97	29.04
Hawaii	4.48	4.69	0.07	3.82	3.89	-0.37	4.20	3.82	0.58
Idaho	18.09	22.09	3.40	4.40	7.80	2.30	6.00	8.30	14.13
Illinois	12.51	14.30	1.70	7.27	8.97	0.73	8.71	9.43	11.39
Indiana	14.89	17.49	1.16	5.74	6.90	-0.09	7.23	7.14	6.45
Iowa	18.43	22.60	3.62	3.92	7.54	2.52	5.41	7.93	16.82
Kansas	18.75	23.08	2.62	-0.13	2.49	1.21	0.42	1.63	10.05
Kentucky	13.50	15.61	0.04	4.33	4.37	-1.22	5.41	4.19	0.27
Louisiana	17.30	20.92	5.34	6.02	11.35	4.80	7.90	12.70	20.91
Maine	16.21	19.35	-7.61	-0.34	-7.95	-10.53	0.07	-10.45	-32.23
Maryland	11.89	13.49	0.31	0.79	1.10	-0.64	1.26	0.62	1.63
Massachusetts	7.56	8.17	-0.68	0.72	0.04	-1.45	1.05	-0.40	-4.71
Michigan	15.02	17.68	-0.75	5.71	4.97	-2.36	7.20	4.84	-3.37
Minnesota	20.27	25.42	-0.21	2.38	2.16	-2.45	3.61	1.15	-1.01
Mississippi	19.11	23.62	3.03	-1.04	1.99	1.92	-0.70	1.22	11.31
Missouri	15.83	18.81	-1.95	2.05	0.10	-3.81	2.89	-0.93	-13.03
Montana	12.85	14.75	1.22	0.85	2.07	0.20	1.37	1.57	11.15
Nebraska	20.51	25.80	4.92	3.10	8.02	3.86	4.55	8.41	18.45
Nevada	7.84	8.51	-0.67	8.41	7.74	-1.42	9.39	7.97	-6.44
New Hampshire	7.11	7.66	0.14	0.47	0.61	-0.41	0.70	0.29	0.94
New Jersey	6.27	6.68	0.59	-0.57	0.01	0.15	-0.44	-0.29	4.71
New Mexico	9.54	10.54	1.28	5.31	6.59	0.54	6.15	6.68	9.72
New York	17.13	20.67	-3.92	-2.02	-5.94	-6.25	-1.91	-8.17	-16.96
North Carolina	16.24	19.39	15.10	5.37	20.47	16.41	6.88	23.28	36.58
North Dakota	17.44	21.13	1.44	0.01	1.45	-0.07	0.54	0.47	8.45
Ohio	10.71	12.00	0.70	6.59	7.29	-0.20	7.70	7.49	4.22
Oklahoma	17.82	21.69	-0.59	-3.18	-3.77	-2.49	-3.32	-5.81	-3.23
Oregon	12.79	14.67	0.51	3.29	3.80	-0.58	4.17	3.59	2.57
Pennsylvania	11.81	13.39	-3.29	3.70	0.41	-4.76	4.55	-0.21	-17.28
Rhode Island	14.37	16.78	-0.51	1.10	0.59	-1.53	1.52	-0.02	-2.60
South Carolina	11.18	12.59	1.32	-1.59	-0.27	0.47	-1.47	-0.99	6.46
South Dakota	19.33	23.96	1.70	2.34	4.04	0.02	3.51	3.52	8.48
Tennessee	10.62	11.88	-0.04	5.61	5.56	-1.04	6.59	5.55	-0.35
Texas	12.57	14.38	1.41	0.16	1.56	0.43	0.53	0.96	7.82
Utah	8.64	9.45	-0.07	7.52	7.44	-0.88	8.52	7.63	-0.63
Vermont	13.98	16.26	-0.52	3.31	2.78	-1.81	4.26	2.44	-2.59
Virginia	10.43	11.65	-0.62	2.25	1.63	-1.65	2.84	1.19	-4.52
Washington	15.75	18.69	5.26	2.61	7.88	4.72	3.59	8.31	17.18
West Virginia	10.63	11.89	-6.69	-1.86	-8.54	-8.46	-1.77	-10.23	-56.17
Wisconsin	19.56	24.32	-2.58	4.94	2.36	-5.25	6.75	1.50	-11.03
Wyoming	11.31	12.75	-0.98	3.42	2.44	-2.18	4.19	2.00	-9.59
United States	15.33	18.10	2.13	3.10	5.24	1.01	4.13	5.14	10.02

Source: Economic Research Service, U.S. Department of Agriculture.

Table 4-6—Farm financial ratios by State, 1996

Year	Liquidity			Efficiency			
	Farm business debt service coverage	Debt servicing	Times interest earned	Gross ratio	Interest to gross cash farm income	Asset turnover ratio	Net cash farm income to debt
				<i>Ratio</i>			
Alabama	3.99	0.09	8.72	67.75	3.69	25.60	83.72
Alaska	5.21	0.08	10.69	61.97	3.57	5.25	111.22
Arizona	3.37	0.11	8.26	67.26	4.52	15.22	75.26
Arkansas	3.36	0.11	8.08	67.61	4.54	36.40	66.53
California	2.48	0.12	5.98	75.28	4.99	31.30	49.38
Colorado	1.72	0.15	4.50	80.46	5.66	22.18	34.41
Connecticut	4.69	0.09	11.36	62.13	3.23	19.65	100.48
Delaware	2.69	0.08	6.60	82.62	3.02	45.86	54.41
Florida	3.06	0.12	6.58	69.54	5.47	24.07	57.58
Georgia	4.02	0.10	9.36	62.63	4.21	34.80	81.01
Hawaii	0.95	0.09	3.29	95.35	3.87	9.71	20.33
Idaho	2.06	0.15	5.18	75.61	5.81	23.12	42.55
Illinois	1.74	0.17	4.85	77.39	7.14	14.65	34.25
Indiana	2.03	0.16	4.53	74.93	6.79	17.26	38.63
Iowa	2.35	0.16	5.67	68.28	6.84	22.76	46.87
Kansas	1.80	0.15	4.55	79.23	6.18	26.74	39.50
Kentucky	3.06	0.14	5.63	62.63	5.85	18.49	57.40
Louisiana	2.93	0.12	6.24	69.04	5.18	29.71	61.53
Maine	1.77	0.15	4.95	79.21	5.27	24.36	38.53
Maryland	2.61	0.11	6.18	76.43	4.48	20.41	48.29
Massachusetts	3.73	0.11	8.59	64.33	4.31	13.47	78.87
Michigan	2.03	0.15	3.32	76.40	5.95	19.86	41.00
Minnesota	2.17	0.17	4.67	69.54	7.07	25.13	45.10
Mississippi	2.49	0.13	5.73	74.09	5.27	28.40	49.78
Missouri	1.55	0.19	3.92	78.26	7.95	16.12	29.87
Montana	1.65	0.21	3.15	74.76	8.65	11.40	31.26
Nebraska	2.01	0.17	5.91	72.59	6.83	26.81	44.55
Nevada	1.55	0.14	4.55	84.02	6.07	9.86	28.68
New Hampshire	3.97	0.09	10.32	67.07	3.44	15.86	79.25
New Jersey	3.89	0.10	10.51	66.34	3.68	12.67	66.77
New Mexico	2.06	0.13	5.01	78.16	5.19	14.09	40.18
New York	1.98	0.15	4.69	76.47	5.57	24.46	42.92
North Carolina	5.22	0.08	13.71	61.85	2.93	43.03	109.91
North Dakota	1.73	0.20	4.38	73.24	8.00	18.90	37.40
Ohio	3.08	0.13	5.91	66.68	5.18	17.07	59.67
Oklahoma	1.27	0.21	2.97	81.86	8.10	18.01	26.70
Oregon	2.14	0.12	4.98	79.94	4.96	20.20	41.03
Pennsylvania	2.87	0.11	6.51	72.27	4.55	20.17	55.26
Rhode Island	4.36	0.11	11.42	54.65	4.38	17.32	88.09
South Carolina	3.32	0.11	7.83	68.85	4.23	21.18	71.53
South Dakota	1.98	0.20	5.46	68.44	8.05	21.44	43.49
Tennessee	2.29	0.16	3.67	70.04	6.49	12.85	44.94
Texas	2.19	0.14	4.45	74.56	5.69	17.87	45.90
Utah	1.74	0.17	5.27	76.27	5.77	11.52	34.36
Vermont	2.86	0.13	6.68	68.51	4.83	21.29	56.79
Virginia	2.55	0.14	5.13	71.08	5.84	14.06	48.49
Washington	2.92	0.10	7.46	74.62	4.13	31.87	60.75
West Virginia	1.42	0.17	1.65	83.73	7.36	10.24	26.02
Wisconsin	1.62	0.17	3.1	79.34	6.96	24.16	33.76
Wyoming	0.64	0.26	2.25	93.49	10.00	9.09	13.31
United States	2.33	0.14	5.47	72.83	5.79	21.84	47.35

See footnote at end of table.

Continued—

Table 4-6—Farm financial ratios by State, 1996—Continued

State	Solvency		Profitability						Returns to farm assets to gross cash farm income
	Debt to assets	Debt to equity	Rates of return on assets from:			Rates of return on equity from:			
			Current income	Real capital gains	Total	Current income	Real capital gains	Total	
<i>Percent</i>									
Alabama	10.98	12.34	5.02	1.87	6.90	4.56	2.37	6.93	19.63
Alaska	2.07	2.11	-0.12	0.06	-0.06	-0.33	0.11	-0.21	-2.22
Arizona	6.92	7.43	4.00	3.25	7.26	3.62	3.75	7.37	26.31
Arkansas	20.12	25.19	9.84	-3.42	6.42	10.35	-3.73	6.62	27.03
California	18.81	23.16	6.81	2.25	9.07	6.46	3.31	9.77	21.77
Colorado	16.17	19.30	3.02	2.25	5.27	2.08	3.09	5.17	13.61
Connecticut	7.95	8.64	1.69	6.15	7.84	1.15	6.92	8.07	8.59
Delaware	16.52	19.79	4.94	5.39	10.33	4.30	7.02	11.33	10.76
Florida	14.99	17.63	5.29	-2.46	2.83	4.69	-2.49	2.21	21.97
Georgia	17.96	21.88	11.15	1.76	12.91	11.71	2.62	14.32	32.05
Hawaii	4.39	4.59	-0.20	1.50	1.30	-0.65	1.82	1.16	-2.04
Idaho	17.13	20.67	4.76	3.22	7.98	4.44	4.70	9.14	20.58
Illinois	12.65	14.49	4.29	3.57	7.86	3.67	4.36	8.03	29.31
Indiana	14.34	16.74	3.25	4.89	8.14	2.50	6.26	8.76	18.84
Iowa	18.24	22.31	7.23	5.41	12.64	6.80	6.99	13.79	31.78
Kansas	17.81	21.67	4.73	1.41	6.14	3.76	2.25	6.01	17.67
Kentucky	14.06	16.37	1.87	1.64	3.51	0.91	2.24	3.15	10.11
Louisiana	17.48	21.18	6.97	2.39	9.36	6.55	3.39	9.94	23.47
Maine	16.85	20.27	-0.70	-1.99	-2.69	-2.39	-1.94	-4.32	-2.88
Maryland	11.68	13.22	2.69	1.47	4.15	2.00	1.96	3.96	13.17
Massachusetts	7.48	8.09	0.27	6.10	6.38	-0.37	7.45	7.09	2.02
Michigan	14.89	17.49	-1.44	4.63	3.18	-3.23	6.09	2.86	-7.27
Minnesota	20.40	25.62	2.65	3.17	5.82	1.06	4.46	5.52	10.54
Mississippi	17.50	21.21	4.90	0.13	5.03	4.28	0.71	4.98	17.25
Missouri	16.09	19.17	1.20	1.49	2.69	-0.09	2.20	2.10	7.46
Montana	12.40	14.15	1.31	3.71	5.02	0.38	4.67	5.05	11.50
Nebraska	19.92	24.88	8.29	3.48	11.77	7.93	4.85	12.79	30.92
Nevada	7.22	7.78	-0.53	1.89	1.36	-1.21	2.22	1.01	-5.39
New Hampshire	7.57	8.19	0.88	-1.66	-0.78	0.37	-1.63	-1.27	5.56
New Jersey	7.96	8.64	1.73	-0.73	1.00	1.37	-0.63	0.74	13.69
New Mexico	9.63	10.65	2.14	2.55	4.69	1.58	3.08	4.66	15.20
New York	16.04	19.10	-1.89	3.78	1.89	-3.90	5.00	1.10	-7.73
North Carolina	16.68	20.02	15.50	0.27	15.77	17.45	0.78	18.24	36.02
North Dakota	17.40	21.06	5.40	2.30	7.70	4.66	3.25	7.91	28.55
Ohio	11.09	12.48	2.21	3.96	6.17	1.48	4.67	6.15	12.96
Oklahoma	17.61	21.38	-1.29	0.48	-0.80	-3.34	1.08	-2.26	-7.14
Oregon	12.01	13.65	2.78	2.10	4.87	2.04	2.74	4.78	13.75
Pennsylvania	11.46	12.95	0.47	1.72	2.19	-0.50	2.23	1.73	2.31
Rhode Island	7.70	8.34	-0.70	5.69	4.99	-1.83	7.48	5.66	-4.05
South Carolina	11.22	12.63	3.90	-0.62	3.28	3.62	-0.46	3.16	18.43
South Dakota	18.96	23.39	7.29	1.82	9.11	6.74	2.76	9.50	33.97
Tennessee	10.43	11.64	-1.13	3.49	2.37	-2.21	4.21	2.00	-8.75
Texas	11.60	13.12	1.25	2.45	3.70	0.26	3.10	3.36	6.97
Utah	11.01	12.38	0.65	2.94	3.59	-0.01	3.46	3.45	5.68
Vermont	14.65	17.16	-0.57	2.60	2.03	-1.96	3.57	1.61	-2.66
Virginia	9.81	10.87	0.50	0.83	1.33	-0.36	1.19	0.83	3.57
Washington	14.97	17.61	7.28	6.12	13.39	6.98	7.58	14.56	22.83
West Virginia	10.35	11.54	-5.63	-1.62	-7.25	-8.04	-1.77	-9.81	-54.96
Wisconsin	19.36	24.01	-1.32	2.94	1.62	-3.66	4.15	0.49	-5.45
Wyoming	11.01	12.38	-0.10	3.18	3.08	-1.12	3.82	2.71	-1.05
United States	15.09	17.77	3.77	2.52	6.29	2.95	3.38	6.33	17.25

Source: Economic Research Service, U.S. Department of Agriculture.

The Insights of Value-Added Accounts by Farm Size

Roger Strickland and Cheryl Steele

Value added is a production-based measure—that is, the creation of new income through production. The account component, “final agricultural sector output,” is the total of all production from resources controlled by farming operations. The value-added accounts were first used by ERS 6 years ago and were adopted as the standard presentation in 1997. The presence of net farm income as the “bottom-line” in the value-added accounting provides a common reference point, and every line item in the value-added table can be related directly to one or more line items in the traditional farm income accounts. (Those with access to the Internet can view an explanation as to how to accomplish a crosswalk between the value-added format and the traditional farm income format at <http://www.econ.ag.gov/briefing/fbe/fi/finfidva.htm>)

The value-added accounts for measuring farm income are now available by size class. These accounts provide additional perspective and insight into the often differing priorities, management strategies, and operational characteristics of the various participants in the U.S. farm sector. This information supplements the aggregate measures in the national sector accounts and enables a more thorough analytical evaluation of the economics of the U.S. agricultural sector.

The annual size class accounts are maintained and presented in tables 5-1 through 5-4, which contain the accounts for 1996. Table 5-1, with the value-added account, and table 5-3, with the additional details regarding commodities produced, are both expressed in monetary units, which is helpful in gaining perspective. Tables 5-2 and 5-4 are identical to tables 5-1 and 5-3, respectively, except that the information is represented as relationships (shares) and expressed in percentage terms. Knowledge of the relationships supplements the information base formed by the monetary amounts and is often more revealing in terms of priorities of the participants and their operational attributes.

For a simple illustration, the smallest size class (less than \$20,000 of production), representing *63 percent of farms, generated only 6 percent of the farm sector's final output*. In contrast, the largest size class (with

production valued at \$1 million or more) represented *1.1 percent of farms and accounted for 26 percent of final output* (table 5-2). The following illustrates the flexibility of these accounts as a tool in analysis: When combined, the three largest size classes for farms, with production in excess of \$250,000, comprised 8 percent of farm operations and accounted for 61 percent of production. This line of analysis could be pursued from the perspective that the U.S. farm sector has two distinct groups of farms—the less than 10 percent of farms that create a majority of production and a majority of farms that create less than 10 percent of production.

Production of total crops and total livestock are distributed somewhat comparably across the various size groups, with the largest farms producing the biggest share of each. Livestock production is a little more concentrated on the larger farms, reflecting economies of size available in production of eggs, hogs, milk, and beef. The “services and forestry” account presents a contrast, which can be traced primarily to the influence of “gross imputed rental value of dwellings.” There is a correlation between the number of farms and the number of farm dwellings. Consequently, gross imputed rental value of dwellings comprises almost half of the “services and forestry” account across all sales classes.

	Farms with production of—		
	\$1 million or more	\$20,000 to \$999,999	Less than \$20,000
	Percent		
Number of farms	1.1	36.1	62.8
Crop output	24.0	73.4	2.5
Livestock output	32.3	63.5	4.3
Services and forestry	11.5	59.7	28.7
Total of all output	26.2	66.5	5.6

Some Characteristics of the Smallest Farms

Farms of all sizes show a definite tendency to specialize in certain types of production (table 5-4). The smallest farms are notable for their disproportionate share of production of cattle and calves, tobacco, and miscellaneous livestock, with the latter being the non-

traditional animals. On the other hand, the very largest operations demonstrate a preference for specialty crops (nursery, fruits, vegetables), hogs, cotton, and poultry and eggs, with egg production being particularly concentrated in this size group.

Tobacco is concentrated on small farms because of production controls that were initiated decades ago and are thus locked into historic production patterns existing at the inception of the Government's allotment/quota programs, when farms were predominantly much smaller. The earnings from tobacco became capitalized into the allotments/quotas, and the additional capital costs have served to inhibit consolidation of ownership into larger operations, as large growers prefer to acquire marketing quotas via renting from owners rather than expending capital for purchases.

Production classified as miscellaneous livestock is often small or exotic animals that require more monitoring and hands-on management. Examples would be fish, mink, ostrich, and crayfish. Production of these animals might appeal to that segment of small farms having available relatively more operator and family labor than the small, cattle-producing operations addressed immediately below.

The type and organization of cattle production common to the smaller operations tend to be the low-maintenance cow-calf operations where the feed consists mostly of pasture supplemented by hay. A typical operation might be one in which, during the summer, the cow with calf feeds on pasture land, which is likely to be moist bottom land not conducive to row-cropping but productive for forage crops. Then, during the fall and winter, the growing herd grazes cropland planted to cover crops or small grains. Some calves may be slaughtered for home consumption in the winter and the others sold as yearling or feeders in the early spring to make way for the new calf crop.

A key structural attribute associated with this type of operation that makes it attractive to small operators is that no person needs to be present to assist the cattle in grazing. Even when the animals' diet must be supplemented with hay, a person can distribute the hay once a day. This type of operation leaves the operator and family members free to engage in off-farm employment. Another attribute that may be an important criterion in enterprise selection for those who are engaged in off-farm employment (and not dependent on farm-

ing for their livelihood) is the aesthetic appeal of a cow-calf operation (cute calves, the serenity of pastures, scenic fences, etc.)

Production of Fungible Commodities

Table 5-4 shows that a disproportionately large percentage of storable, fungible crops, such as food grains, feed crops, and oil crops, are produced on the intermediate-sized farms with sales ranging from \$20,000 to \$1 million. Fungible means that one unit is essentially the same as another unit, regardless of who produces it or where production occurs. The storable attribute is significant because it further limits the opportunities to add value through post-harvest services, such as sorting, grading, special storage, and transportation requirements. Such products are thus more likely to be sold through a local wholesaler (grain elevator), where the commodity is added to the top of the storage bin and sold out of the bottom in a first-in/first-out system for handling indistinguishable (fungible) quantities.

Given that operations with sales ranging from \$100,000 to \$250,000 produce the largest share of these food, feed, and oil crops (table 5-4), the implication may well be that this size of farm is large enough to realize most of the economies of scale in production. At this level of production, farms can fully employ their equipment using state-of-the-art technologies, but the nature of the commodities being produced offer little opportunity to add value by assuming the functions of the next "middleman" in the assembly, preparation, or other steps in product marketing.

	Farms with production of—		
	\$1 million or more	\$20,000 to \$999,999	Less than \$20,000
	<i>Percent</i>		
Livestock and products	32.3	63.5	4.3
Food grains	12.2	86.5	1.2
Feed crops	9.4	86.9	3.7
Cotton	33.5	65.8	.7
Tobacco	8.8	77.6	13.7
Oil crops	9.1	88.9	1.9
Vegetables	32.7	66.1	1.1
Fruit and nuts	37.6	57.7	4.7
Greenhouse and nursery	65.5	32.7	1.9

Profitability Much Lower on the Smallest Farms

Those establishments classified as farming operations with sales of less than \$20,000 appear to be quite inef-

ficient when viewed through a financial accounting lens. In fact, they are so much more inefficient in production activities than the larger operations that they earn an increasingly smaller share of the income from production as each layer of expenses is peeled away. Producing 6.1 percent of total output, these smallest operations generated only 1.8 percent of the gross value added, indicating that they expended proportionately more on intermediate consumption outlays, which are out-of-pocket (variable) expense items. From a financial accounting perspective, the earnings picture for these smallest farms appears only to worsen with a more complete accounting of expenses, indicating negative net value added and net farm income. The implications are that the smallest farms are relatively inefficient producers and that the operators are not economically rational, if the assumption is that their primary objective is to earn a before-income-tax profit.

If, on the other hand, the operators were seeking to achieve one or more other objectives, they may have been much more successful than is apparent from the typical economic accounting perspective. More likely, the operators of these small farms operate on the assumption that they are unlikely to earn a substantial profit on their farming activities in most years and that the cumulative earnings over several years will be a substantial loss. Then, their objective becomes to maximize their combined income from all sources, in which case, *they will in effect seek to minimize their after-income-tax losses on the farming activities.* Thus, in their management strategy, the tax refund becomes part of the revenue stream to the farming activities and affects decisions made regarding the operating characteristics and structure of the production activities.

To realistically model this management strategy, one would have to account for the tax savings accruing to the operators' nonfarm earnings and recognize that this alternative after-income-tax measure of earnings would result in a more positive assessment of the finances of the farming enterprises. In addition, the objectives may extend into other noneconomic factors, such as the aesthetic appeal of rural life.

This is not a sectorwide issue. A sharply contrasting picture emerges for those farms larger than \$20,000, as is clearly evidenced in the following distributions summarized from table 5-2. These larger operations increase their share of production income at each level of measurement as one moves down the value-added accounting model. From these aggregate statistics, it is

not immediately obvious that those farms exceeding \$1 million in sales gain much in efficiency over those in the in-between group. As will be seen later, these are not homogeneous groups, as there is an obvious tendency for the larger groups to specialize in different commodities. This tendency implies that there are gains in profit potential with growth in size in some types of production, even though the benefits may derive from expanding into new functions rather than savings in production costs.

	Farms with production of—		
	\$1 million or more	\$20,000 to \$999,999	Less than \$20,000
	Percent		
Number of farms	1.1	36.1	62.8
Total of all output	25.6	68.2	6.1
Gross value added	27.8	70.4	1.8
Net value added	31.7	72.2	-3.9
Net farm income	36.9	75.4	-12.3

A particularly noteworthy tendency evident in figure 5-1 is that the smallest farms incur a share of property-related expenses that is greatly disproportionate to their share of the farm sector's output (fig. 5-2). It is also in contrast to the situation with the out-of-pocket (variable) costs, where the share incurred by the smallest farms is much more proportionate to their share of the production (fig. 5-2). There is the clear implication that the smallest farms own considerable property, which raises an accounting issue that may be addressed through either of two questions: (1) Is there an overcounting of the portion of these expenses related directly to the farming activity? or (2) Does the traditional financial accounting model omit some benefits, including, perhaps, some noneconomic benefits? A related question is source of funds for the capital expenditures because, if the accounting of expenses and benefits is appropriate, the capital stock is being consumed and would have to be funded from another source.

Factor Payments

Expenditures for the factors of production (hired labor, rented land, and borrowed capital) reflect significant structural differences in the three size groups of farming operations summarized below. The operator and family members furnish most of the labor required on the small operations, and as a group, small operations paid only 3.2 percent of the sector's total hired labor costs. It logically follows that the largest operations would have to incur a large share (45 percent) of the sector's labor costs, as not only is the labor input from

the operator and family limited, but management activities may be a more profitable use of their time. Likewise, the smaller operations pay an even smaller share of the net rental payments for land to nonoperator landlords because the smaller operations tend to own their land and often look to alternative sources of income rather than expansion of farming activities through renting land from others.

The story here is the overwhelming proportion of the rent paid to nonoperator landlords (83 percent) and interest payments (72 percent) paid by the farmers falling into the in-between group with sales ranging from \$20,000 to \$1 million. Again, these are the ones producing the fungible field crops and the livestock. The field crops and the cow-calf operations are land intensive, causing this group to incur the bulk of the land rental expenses. Why these producers pay such a large share of the interest expenses is not quite so clear, but operations in this size group are still mostly owner-operated, whether there is one owner or several family members. Their primary sources of capital for operating expenses and expansion are debt capital and inheritance, with the latter often resulting in additional debt to pay inheritance taxes. Many of the farm operations with sales over \$1 million are corporate farms and often subsidiaries of larger corporations, in which case the capital may be provided internally. Inheritance taxes have no effect because the taxes are the obligation of the stockholder and not the corporation.

	Farms with production of—		
	\$1 million or more	\$20,000 to \$999,999	Less than \$20,000
	<i>Percent</i>		
Number of farms	1.1	36.1	62.8
Factor payments:			
Employee compensation	44.7	52.1	3.2
Net rent received by nonoperator landlords	14.1	83.2	2.7
Real estate and nonreal estate interest	14.9	71.2	13.9

Negative Numbers Tell a Story

Four negative numbers appear in the size class accounts presented in table 5-1, and each is quite logical when put in perspective. Net government transactions are negative for both the \$1-million-and-over group and \$20,000-and-less group, but the causes are different. (The negative indicates that they are paying

more in taxes and fees to government entities than they receive in direct payments under government programs.) Congress imposes payment limitations on the amounts that individual farming operations may receive under Federal programs. Many of the largest operations produce livestock or fruit and vegetable crops not covered under Federal programs. The negative in net government transactions for the smaller group reflects the relatively high property taxes paid by small producers due to the disproportionate value of total assets comprised by both farm dwellings and motor vehicles. The impact is also seen in the size of the share of capital consumption and interest on real estate incurred by the smallest operations, as they generally have considerably more than would appear to be justified if the sole objective were to maximize profitability of the farm operation.

Both net value added and net farm income are negative for the \$20,000-and-less group of farms, which again reflects the rural-living aspects of these small operations, where supplemental income from off-farm sources generally is greater than the income from farming activities. Typically the value of buildings, particularly dwellings, and motor vehicles far exceeds what would appear to be justifiable for the farming activities. The implication is that the operators may be consuming elements of the rural lifestyle that are not subject to market transactions and which are not included in the agricultural sector accounts.

	Farms with production of—	
	\$1 million or more	Less than \$20,000
	<i>Percent</i>	
Net government transactions	-58,279	-711,592
Net value added	30,061,943	-3,717,570
Net farm income	19,274,743	-6,430,648

In conclusion, the disaggregation of the national value added accounts into size class accounts represents a significant addition to the value of the agricultural sector accounts by enabling analysts to peer inside the sector to ascertain the attributes and differences among groups of farm operations. These details provide significant new information about the U.S. farming sector and greatly expand the range and types of issues that analysts may address. The insights touched upon in this chapter illustrate the many substantive questions that may be addressed through these accounts.

Figure 5-1

Distribution of property-related expenses, 1996
Small farms incurred large property-related expenses

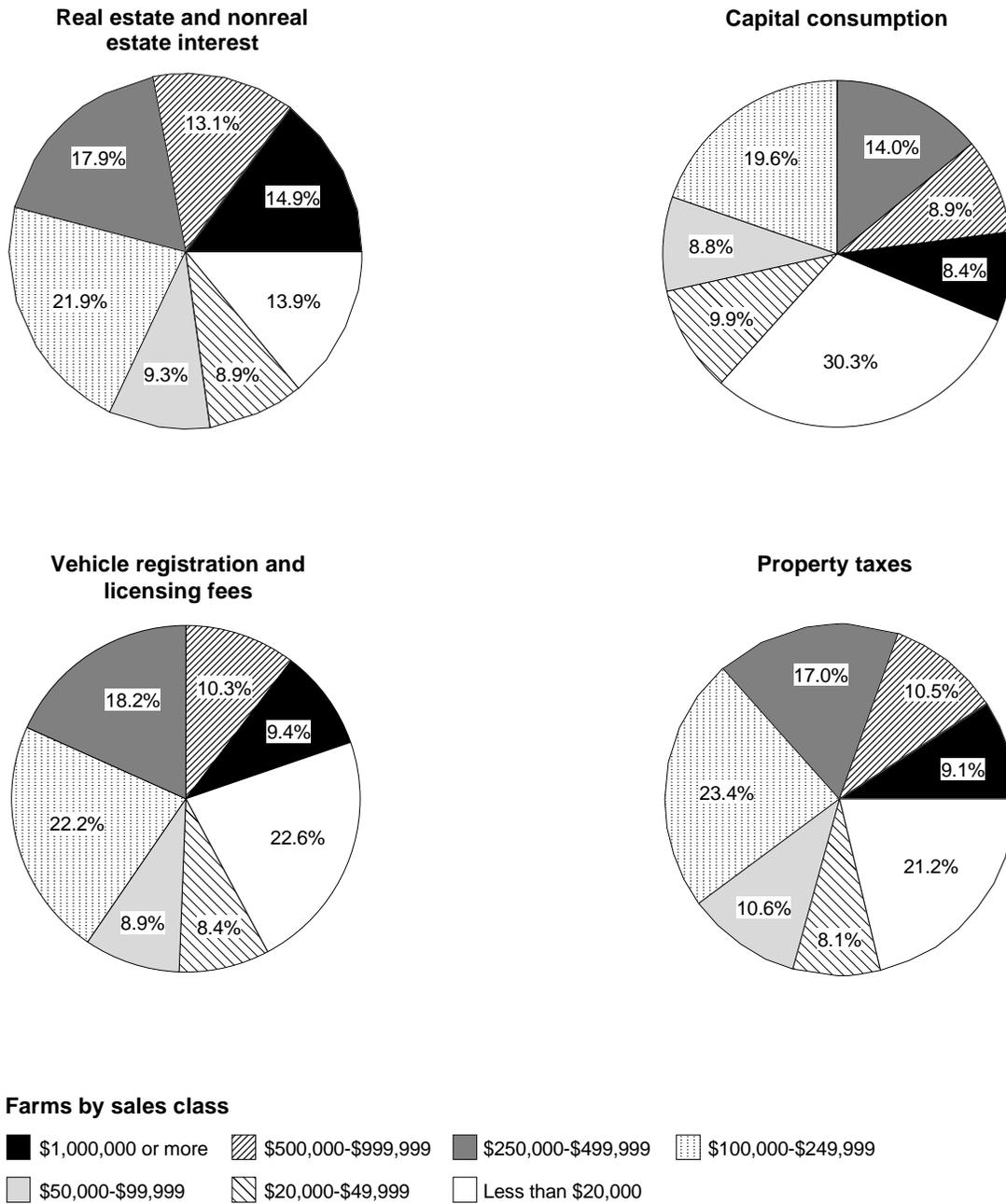
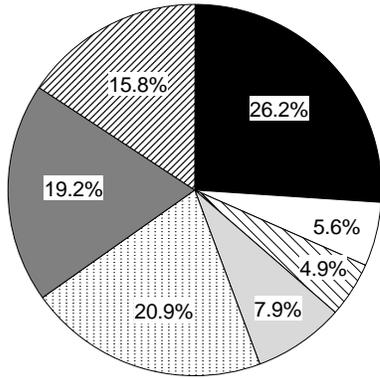


Figure 5-2

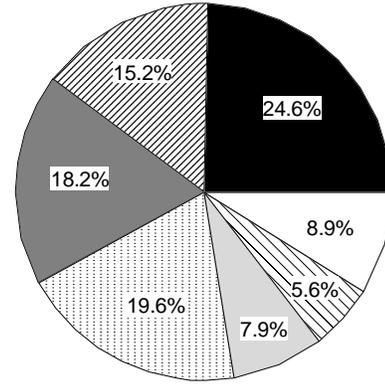
Distribution of variable costs related to production, 1996

Variable costs for small farms were in line with their share of output

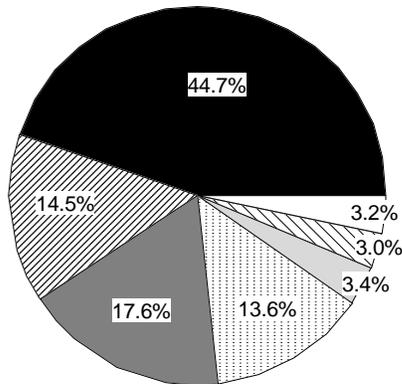
Final agricultural sector output



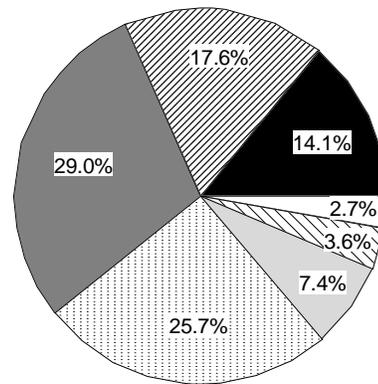
Intermediate consumption outlays



Employee compensation



Net rent paid to nonoperator landlords



Farms by sales class

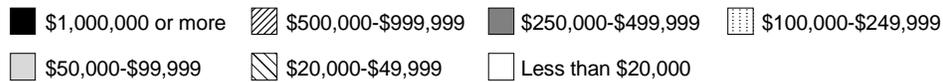


Table 5-1—Number of farms, net value added, and net farm income by value of size class, 1996

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
	<i>Number</i>							
Number of farms ¹	21,904	42,843	98,090	214,739	159,743	229,738	1,296,853	2,063,910
	<i>Thousand dollars</i>							
+ Final crop output	27,273,592	19,369,733	24,516,379	26,121,443	8,549,744	4,810,650	2,870,725	113,512,267
+ Final animal output	29,658,147	14,172,456	15,802,964	17,313,001	6,568,935	4,533,788	3,913,956	91,963,245
+ Services and forestry	2,394,240	2,135,448	3,187,828	3,763,059	1,643,993	1,656,642	5,955,326	20,736,536
= Final agricultural sector output	59,325,979	35,677,637	43,507,171	47,197,503	16,762,671	11,001,080	12,740,007	226,212,048
less: Intermediate consumption outlays	27,610,013	17,073,794	20,509,078	21,990,799	8,923,260	6,279,197	10,001,037	112,387,179
Farm origin	13,631,209	7,411,348	7,835,285	6,645,307	2,796,237	1,695,431	2,479,864	42,494,681
Manufactured inputs	5,085,081	4,535,242	6,013,563	6,821,741	2,335,354	1,686,133	1,916,147	28,393,261
Other intermediate expenses	8,893,723	5,127,204	6,660,231	8,523,751	3,791,669	2,897,633	5,605,026	41,499,237
plus: Net government transactions	-58,279	164,042	296,677	183,155	40,789	114,735	-711,592	29,527
+ Direct government payments	606,521	927,085	1,534,554	1,875,444	804,178	701,743	836,016	7,285,541
- Motor vehicle registration and licensing fees	40,402	44,081	77,978	94,869	38,008	36,077	96,847	428,262
- Property taxes	624,398	718,962	1,159,899	1,597,421	725,380	550,931	1,450,761	6,827,752
= Gross value added	31,657,687	18,767,885	23,294,770	25,389,858	7,880,201	4,836,618	2,027,377	113,854,396
less: Capital consumption	1,595,744	1,688,435	2,644,747	3,717,854	1,663,913	1,873,901	5,744,947	18,929,541
= Net value added	30,061,943	17,079,450	20,650,023	21,672,004	6,216,288	2,962,717	-3,717,570	94,924,855
less: Factor payments	10,787,200	6,457,452	9,188,573	8,635,256	2,797,065	2,151,867	2,713,079	42,730,493
Employee compensation	6,805,499	2,209,044	2,677,029	2,070,855	514,556	455,354	486,705	15,219,042
Net rent received by nonoperator landlords	2,008,470	2,512,446	4,142,291	3,667,473	1,059,549	514,267	388,630	14,293,127
Real estate and nonreal estate interest	1,973,231	1,735,962	2,369,252	2,896,928	1,222,959	1,182,247	1,837,744	13,218,324
= Net farm income	19,274,743	10,621,998	11,461,450	13,036,748	3,419,223	810,849	-6,430,648	52,194,362

¹*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.
Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-2—Percentage distribution for number of farms, net value added, and net farm income by value of size class, 1996

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
	<i>Percent</i>							
Number of farms	1.1	2.1	4.8	10.4	7.7	11.1	62.8	100.0
Final crop output	24.0	17.1	21.6	23.0	7.5	4.2	2.5	100.0
Final animal output	32.3	15.4	17.2	18.8	7.1	4.9	4.3	100.0
Services and forestry	11.5	10.3	15.4	18.1	7.9	8.0	28.7	100.0
Final agricultural sector output	26.2	15.8	19.2	20.9	7.4	4.9	5.6	100.0
less: Intermediate consumption outlays	24.6	15.2	18.2	19.6	7.9	5.6	8.9	100.0
Farm origin	32.1	17.4	18.4	15.6	6.6	4.0	5.8	100.0
Manufactured inputs	17.9	16.0	21.2	24.0	8.2	5.9	6.7	100.0
Other intermediate expenses	21.4	12.4	16.0	20.5	9.1	7.0	13.5	100.0
plus: Net government transactions								
+ Direct government payments	8.3	12.7	21.1	25.7	11.0	9.6	11.5	100.0
- Motor vehicle registration and licensing fees	9.4	10.3	18.2	22.2	8.9	8.4	22.6	100.0
- Property taxes	9.1	10.5	17.0	23.4	10.6	8.1	21.2	100.0
= Gross value added	27.8	16.5	20.5	22.3	6.9	4.2	1.8	100.0
less: Capital consumption	8.4	8.9	14.0	19.6	8.8	9.9	30.3	100.0
= Net value added	31.7	18.0	21.8	22.8	6.5	3.1	-3.9	100.0
less: Factor payments	25.2	15.1	21.5	20.2	6.5	5.0	6.3	100.0
Employee compensation	44.7	14.5	17.6	13.6	3.4	3.0	3.2	100.0
Net rent received by nonoperator landlords	14.1	17.6	29.0	25.7	7.4	3.6	2.7	100.0
Real estate and nonreal estate interest	14.9	13.1	17.9	21.9	9.3	8.9	13.9	100.0
= Net farm income	36.9	20.4	22.0	25.0	6.6	1.6	-12.3	100.0

Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-3—Number of farms and cash receipts by value of size class, 1996

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
	<i>Number</i>							
Number of farms ¹	21,904	42,843	98,090	214,739	159,743	229,738	1,296,853	2,063,910
	<i>Thousand dollars</i>							
All commodities	57,137,945	34,036,384	39,791,590	40,153,375	13,991,604	8,696,395	7,329,872	202,338,990
Livestock and products	30,071,951	14,405,442	15,844,089	16,405,281	6,226,759	4,325,906	4,432,960	92,914,212
Meat animals	13,581,488	5,972,109	7,192,184	7,040,839	3,206,635	3,568,797	3,820,445	44,382,498
Cattle and calves	8,393,572	3,652,804	4,818,613	5,190,712	2,643,931	3,013,851	3,424,562	31,138,046
Hogs	5,234,127	2,344,275	2,329,988	1,648,237	452,772	419,646	214,691	12,643,736
Dairy products	7,083,312	2,799,211	4,137,051	7,070,753	1,351,540	362,374	29,684	22,833,925
Poultry and eggs	8,630,898	5,438,238	4,119,647	1,763,554	1,172,130	NA	NA	22,326,291
Broilers	3,643,099	5,701,468	3,217,018	1,130,420	200,664	NA	NA	13,906,019
Miscellaneous livestock	776,254	195,884	395,207	530,134	496,453	394,735	582,831	3,371,498
Crops	27,065,994	19,630,942	23,947,501	23,748,095	7,764,845	4,370,489	2,896,911	109,424,778
Food grains	1,414,292	1,753,053	3,274,298	3,600,122	904,708	459,573	143,912	11,549,958
Wheat	981,823	1,260,779	2,685,926	3,513,835	921,990	443,124	148,140	9,955,616
Feed crops	2,640,153	5,022,786	7,182,477	7,888,973	2,766,103	1,576,895	1,036,269	28,113,655
Corn	2,029,838	3,887,951	5,971,075	6,482,796	1,947,643	967,350	286,710	21,573,363
Cotton	2,500,193	1,671,744	1,671,446	1,266,846	219,348	81,248	49,987	7,460,813
Tobacco	245,488	334,400	667,682	606,674	266,542	293,551	381,653	2,795,990
Oil crops	1,621,113	2,745,949	5,009,292	5,404,538	1,446,750	1,185,206	343,044	17,755,891
Soybeans	1,435,194	2,516,656	4,514,061	4,903,945	1,366,134	1,149,063	326,335	16,211,387
Vegetables	4,694,053	4,248,811	2,871,186	2,251,320	83,079	39,459	160,850	14,348,758
Fruits and nuts	4,407,090	1,411,749	1,764,804	1,470,201	1,667,345	447,819	544,810	11,713,819
All other crops	9,543,612	2,442,451	1,506,316	1,259,420	410,970	286,738	236,386	15,685,894
Nursery	7,127,321	1,105,145	902,755	940,751	356,116	250,620	204,350	10,887,058

NA = Not available.

¹*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-4—Percentage distribution for number of farms and cash receipts by value of size class, 1996

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
	<i>Percent</i>							
Number of farms	1.1	2.1	4.8	10.4	7.7	11.1	62.8	100.0
All commodities	27.4	16.3	19.7	21.3	7.4	4.5	3.4	100.0
Livestock and products	32.3	15.4	17.2	18.8	7.1	4.9	4.3	100.0
Meat animals	30.6	13.5	16.2	15.9	7.2	8.0	8.6	100.0
Cattle and calves	27.0	11.7	15.5	16.7	8.5	9.7	11.0	100.0
Hogs	41.4	18.5	18.4	13.0	3.6	3.3	1.7*	100.0
Dairy products	31.0	12.3	18.1	31.0	5.9	1.6	0.1**	100.0
Poultry and eggs	38.7	24.4	18.5	7.9	L	L	0.1	100.0
Broilers	26.2	41.0*	23.1	8.1	L	L	0.0	100.0
Miscellaneous livestock	23.0	5.8	11.7	15.7	14.7*	11.7*	17.3*	100.0
Crops	23.9	17.0	21.5	23.0	7.5	4.3	2.7	100.0
Food grains	12.2	15.2	28.3	31.2	7.8	4.0	1.2	100.0
Wheat	9.9	12.7	27.0	35.3	9.3	4.5	1.5	100.0
Feed crops	9.4	17.9	25.5	28.1	9.8	5.6	3.7	100.0
Corn	9.4	18.0	27.7	30.1	9.0	4.5	1.3	100.0
Cotton	33.5	22.4	22.4	17.0	2.9	1.1	0.7	100.0
Tobacco	8.8	12.0	23.9	21.7	9.5	10.5	13.7	100.0
Oil crops	9.1	15.5	28.2	30.4	8.1	6.7	1.9	100.0
Soybeans	8.9	15.5	27.8	30.3	8.4	7.1	2.0	100.0
Vegetables	32.7	29.6	20.0	15.7	0.6	0.3	1.1	100.0
Fruits and nuts	37.6	12.1	15.1	12.6	14.2	3.8	4.7*	100.0
All other crops	60.8	15.6	9.6	8.0	2.6*	1.8*	1.5*	100.0
Nursery	65.5	10.2	8.3	8.6	3.3*	2.3*	1.9*	100.0

*Coefficient of variation is between 25 and 50.

**Coefficient of variation is 55.3.

L = Undisclosed.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-5—Number of farms, net value added, and net farm income by value of size class, 1995

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
	<i>Number</i>							
Number of farms ¹	17,395	30,286	75,338	219,341	194,723	261,012	1,273,425	2,071,520
	<i>Thousand dollars</i>							
+ Final crop output	23,492,096	13,869,084	17,349,645	22,778,779	9,769,928	5,885,347	3,510,524	96,655,403
+ Final animal output	33,084,270	9,869,206	11,291,234	17,941,382	7,456,227	4,205,628	3,769,294	87,617,240
+ Services and forestry	2,368,752	1,675,331	2,028,145	3,258,052	1,937,084	1,773,561	6,333,787	19,374,713
= Final agricultural sector output	58,945,118	25,413,621	30,669,023	43,978,213	19,163,239	11,864,536	13,613,605	203,647,356
less: Intermediate consumption outlays	29,032,416	12,638,245	16,003,995	23,656,307	10,202,395	7,240,696	10,237,047	109,011,103
Farm origin	14,817,748	5,537,448	5,511,255	8,022,903	2,918,278	1,950,916	2,869,385	41,627,934
Manufactured inputs	3,940,485	3,236,906	4,750,848	6,842,327	2,966,857	2,099,444	2,338,325	26,175,192
Other intermediate expenses	10,274,182	3,863,891	5,741,892	8,791,077	4,317,260	3,190,337	5,029,338	41,207,977
plus: Net government transactions	-270,250	131,916	344,549	540,340	-118,852	-1,280	-551,956	74,466
= Gross value added	29,642,452	12,907,292	15,009,577	20,862,245	8,841,992	4,622,560	2,824,602	94,710,719
less: Capital consumption	1,398,914	1,341,075	2,012,534	3,651,769	2,256,226	2,276,740	5,977,015	18,914,273
= Net value added	28,243,538	11,566,217	12,997,043	17,210,476	6,585,766	2,345,820	-3,152,413	75,796,446
less: Factor payments	10,047,912	4,802,971	6,718,332	8,452,242	3,731,967	2,055,305	3,248,383	39,057,112
Employee compensation	6,590,901	1,977,270	2,165,500	1,914,001	809,874	390,375	498,837	14,346,758
Net rent received by nonoperator landlords	1,408,958	1,638,331	2,888,860	3,647,447	1,380,675	646,057	373,661	11,983,988
Real estate and nonreal estate interest	2,048,054	1,187,370	1,663,972	2,890,794	1,541,417	1,018,873	2,375,885	12,726,365
= Net farm income	18,195,626	6,763,246	6,278,710	8,758,235	2,853,799	290,515	-6,400,796	36,739,335

¹*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.
Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-6—Number of farms and net cash income by value of size class, 1995^{1, 2}

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
<i>Number</i>								
Number of farms	17,395	30,286	75,338	219,341	194,723	261,012	1,273,425	2,071,520
<i>Million dollars</i>								
Gross cash income	59,826	27,581	31,512	43,907	19,816	11,352	11,044	205,037
Cash receipts from marketings	57,693	25,977	29,049	40,058	17,922	9,756	7,248	187,704
Crops	25,154	15,675	17,837	22,341	10,444	5,692	3,557	100,700
Government supported	4,072	9,749	13,482	17,094	7,883	4,244	2,421	58,946
Nonsupported	21,082	5,926	4,355	5,246	2,561	1,448	1,136	41,755
Livestock	32,539	10,302	11,211	17,718	7,478	4,064	3,691	87,004
Government payments	282	688	1,372	2,116	838	805	1,153	7,253
Farm-related income	1,852	916	1,091	1,733	1,056	790	2,643	10,080
Cash expenses	39,222	17,912	23,695	33,549	14,740	9,951	14,790	153,860
Net cash income	20,604	9,669	7,817	10,358	5,076	1,401	-3,747	51,178
<i>Percent</i>								
<i>Percent of total:</i>								
Number of farms	0.8	1.5	3.6	10.6	9.4	12.6	61.5	100.0
Gross cash income	29.2	13.5	15.4	21.4	9.7	5.5	5.4	100.0
Cash receipts from marketings	30.7	13.8	15.5	21.3	9.5	5.2	3.9	100.0
Crops	25.0	15.6	17.7	22.2	10.4	5.7	3.5	100.0
Government supported	6.9	16.5	22.9	29.0	13.4	7.2	4.1	100.0
Nonsupported	50.5	14.2	10.4	12.6	6.1	3.5	2.7	100.0
Livestock	37.4	11.8	12.9	20.4	8.6	4.7	4.2	100.0
Government payments	3.9	9.5	18.9	29.2	11.6	11.1	15.9	100.0
Farm-related income	18.4	9.1	10.8	17.2	10.5	7.8	26.2	100.0
Cash expenses	25.5	11.6	15.4	21.8	9.6	6.5	9.6	100.0
Net cash income	40.3	18.9	15.3	20.2	9.9	2.7	-7.3	100.0
<i>Dollars</i>								
<i>Per farm operation:¹</i>								
Gross cash income	3,439,258	910,695	418,276	200,175	101,765	43,491	8,672	98,979
Cash receipts from marketings	3,316,612	857,743	385,579	182,630	92,038	37,379	5,692	90,612
Crops	1,446,043	517,573	236,765	101,853	53,635	21,808	2,793	48,612
Government supported	234,097	321,916	178,958	77,934	40,481	16,260	1,901	28,455
Nonsupported	1,211,946	195,657	57,806	23,919	13,154	5,548	892	20,156
Livestock	1,870,569	340,170	148,815	80,778	38,403	15,572	2,898	42,000
Government payments	16,196	22,709	18,213	9,646	4,305	3,085	905	3,501
Farm-related income	106,450	30,243	14,484	7,899	5,422	3,026	2,076	4,866
Cash expenses	2,254,764	591,447	314,518	152,952	75,698	38,125	11,615	74,274
Net cash income	1,184,493	319,248	103,758	47,223	26,068	5,366	-2,942	24,705

¹Farm operations may have several households sharing in the earnings of the business (for example, partners or shareholders in the farm corporation). The number of households per farm operation tends to increase as sales per farm increase.

²Based on final U.S numbers as of September 1997 and on distributors from the 1995 FCRS.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 5-7—Number of farms and net cash income by value of size class, 1996^{1, 2}

Item	\$1,000,000 or more	\$500,000- \$999,999	\$250,000- \$499,999	\$100,000- \$249,999	\$50,000- \$99,999	\$20,000- \$49,999	Less than \$20,000	Total U.S.
<i>Number</i>								
Number of farms	21,904	42,843	98,090	214,739	159,743	229,738	1,296,853	2,063,910
<i>Million dollars</i>								
Gross cash income	63,505	33,870	43,563	42,155	16,393	10,883	10,221	220,590
Cash receipts from marketings	61,284	31,830	40,127	38,067	14,675	9,325	7,031	202,339
Crops	31,107	17,304	24,265	21,705	7,946	4,434	2,663	109,425
Government supported	8,835	11,522	18,277	17,590	5,774	3,490	1,599	67,085
Nonsupported	22,272	5,783	5,988	4,115	2,172	945	1,064	42,339
Livestock	30,176	14,525	15,862	16,363	6,730	4,891	4,367	92,914
Government payments	607	927	1,535	1,875	804	702	836	7,286
Farm-related income	1,614	1,113	1,902	2,212	914	856	2,354	10,966
Cash expenses	38,812	24,200	30,859	32,020	12,305	8,832	13,621	160,649
Net cash income	24,692	9,669	12,704	10,135	4,089	2,052	-3,400	59,941
<i>Percent</i>								
Percent of total:								
Number of farms	1.1	2.1	4.8	10.4	7.7	11.1	62.8	100.0
Gross cash income	28.8	15.4	19.7	19.1	7.4	4.9	4.6	100.0
Cash receipts from marketings	30.3	15.7	19.8	18.8	7.3	4.6	3.5	100.0
Crops	28.4	15.8	22.2	19.8	7.3	4.1	2.4	100.0
Government supported	13.2	17.2	27.2	26.2	8.6	5.2	2.4	100.0
Nonsupported	52.6	13.7	14.1	9.7	5.1	2.2	2.5	100.0
Livestock	32.5	15.6	17.1	17.6	7.2	5.3	4.7	100.0
Government payments	8.3	12.7	21.1	25.7	11.0	9.6	11.5	100.0
Farm-related income	14.7	10.1	17.3	20.2	8.3	7.8	21.5	100.0
Cash expenses	24.2	15.1	19.2	19.9	7.7	5.5	8.5	100.0
Net cash income	41.2	16.1	21.2	16.9	6.8	3.4	-5.7	100.0
<i>Dollars</i>								
Per farm operation: ¹								
Gross cash income	2,899,244	790,552	444,114	196,307	102,624	47,373	7,881	106,880
Cash receipts from marketings	2,797,845	742,938	409,080	177,273	91,869	40,592	5,421	98,037
Crops	1,420,181	403,903	247,375	101,075	49,740	19,301	2,054	53,018
Government supported	403,353	268,929	186,327	81,912	36,144	15,190	1,233	32,504
Nonsupported	1,016,828	134,974	61,049	19,164	13,595	4,112	821	20,514
Livestock	1,377,664	339,035	161,704	76,198	42,129	21,291	3,368	45,019
Government payments	27,692	21,639	15,644	8,733	5,034	3,055	645	3,530
Farm-related income	73,708	25,975	19,390	10,301	5,721	3,726	1,815	5,313
Cash expenses	1,771,945	564,856	314,598	149,113	77,027	38,442	10,503	77,837
Net cash income	1,127,299	225,696	129,516	47,195	25,597	8,931	-2,622	29,042

¹Farm operations may have several households sharing in the earnings of the business (for example, partners or shareholders in the farm corporation). The number of households per farm operation tends to increase as sales per farm increase.

²Based on final U.S. numbers as of September 1997 and on distributors from the 1995 FCRS.

Source: Economic Research Service, U.S. Department of Agriculture.

Government Payments in 1995 and 1996 Lowest in 15 Years

Roger Strickland and Pat Vines

Government payments of \$7.3 billion in 1995 and 1996 were the lowest since 1982 (table 6-1). Total payments in both years were only 8 percent below those of 1994 but 41 percent lower than the \$13.4 billion in 1993, when payments rose 46 percent from a year earlier to the highest level since 1988. Direct government payments were expected to begin declining after 1996 but are now expected to begin declining in 1998. Payments in 1996 and later years reflect production flexibility payments provided under the 1996 Farm Act, but unanticipated adjustments for deficiency payments owed to farmers in 1996 and repayments owed by farmers under the previous farm program are included in 1996 payments. The influence will extend into 1997, also.

Under the old farm program, deficiency payments due to producers were made in as many as three payments, in two calendar years. The first payment was based on an estimation of the final amount likely to be owed to the producer, using projected market prices over the relevant period. Subsequent payments were the balance due once the actual market prices became known.

During the 1995/96 marketing year, commodity prices received by farmers tended to be higher than had been projected when determining initial deficiency payments for the 1995/96 crops. For many producers, this meant that the disbursement received as the first deficiency payment for the 1995 crops exceeded the amount they were due, once all the information necessary to complete the final determination became available. As a consequence, these producers were required to reimburse the U.S. Department of Agriculture, and the reimbursements were then available for disbursement under production flexibility contract payments.

After 1997, the influence of the deficiency repayment adjustments should be concluded and the payment totals will begin to follow the declining levels of production flexibility contract payments specified in the 1996 Farm Act. The payment totals will be constrained by the funding set forth in the 1996 Farm Act through the year 2002.

Innovative Legislation Was Implemented in 1996

As a refresher, new legislation enacted effective for 1996 represented a significant departure from the legislation it replaced, mandating sweeping changes in the operational design of Federal farm programs for a period of 7 years. Under the new farm programs, government payments to farmers will decline over 7 years in both absolute terms and as a proportion of production income. Both the declining payments and diminishing role of the Government crystallized in the new legislation represent extensions of existing trends under which government assistance provides a declining share of production income.

The 1996 Farm Act, more formally known as the Federal Agriculture Improvement and Reform Act of 1996, signed in April 1996, initiated a new government farm policy for 1996 through 2002 that disconnects the link between production history and the level of Federal support payments. The legislation also severed the links between government payments and the crops produced and commodity prices. During the 7-year period covered by the 1996 Act, payments determined during a one-time sign-up window in 1996 are scheduled to decline. The payments are a function of the farmer's established program crop acreage times the established program yield multiplied (per a formula) by a set payment rate. The crop acreage and program yields remain constant throughout the 7 years, but payment rates are scheduled to generally decline. Nonrecourse marketing loans administered by the Commodity Credit Corporation remain available for the contract crops (wheat, rice, corn, sorghum, barley, oats, oilseeds, and extra-long staple cotton). The loan rates are generally much lower than past support levels, and marketing loans are available to producers. Consequently, farmers do not necessarily have to place the commodity under loan in order to receive the benefits for which they are eligible, and the Government's potential financial exposure through loan defaults is reduced.

Restrictions. Farmers are not bound to plant any particular set of crops and have flexibility as to what they

do plant, with some exceptions pertaining to fruits and vegetables. Two requirements that farmers must meet are to comply with established conservation measures and either buy crop insurance or sign a waiver to all Federal disaster assistance.

Exceptions. The legislation contains special language for peanuts and sugar that generally maintains the

structure of those programs established under the previous legislation but at lower support levels, thereby reducing the Government's exposure. The dairy price support program will be phased out over 4 years and the dairy milk marketing orders are to be reduced by two-thirds in 3 years. Tobacco program provisions are covered under separate legislation and are not affected by the 1996 Farm Act.

Table 6-1—Direct government payments by program, United States, 1950-96¹

Year	Feed grains	Wheat	Rice	Cotton	Wool Act	Conservation ²	Miscellaneous ³	Total
<i>Million dollars</i>								
1950	np	np	np	np	np	246	37	283
1951	np	np	np	np	np	246	40	286
1952	np	np	np	np	np	242	33	275
1953	np	np	np	np	np	181	32	213
1954	np	np	np	np	np	217	40	257
1955	np	np	np	np	np	188	41	229
1956	np	np	np	np	54	220	280	554
1957	np	np	np	np	53	230	732	1,015
1958	np	np	np	np	14	215	859	1,088
1959	np	np	np	np	82	233	367	682
1960	np	np	np	np	51	223	429	703
1961	772	42	np	np	56	236	387	1,493
1962	841	253	np	np	54	230	368	1,746
1963	843	215	np	np	37	231	370	1,696
1964	1,163	438	np	39	25	236	278	2,179
1965	1,391	525	np	70	18	224	235	2,463
1966	1,293	679	np	773	34	231	267	3,277
1967	865	731	np	932	29	237	284	3,078
1968	1,366	747	np	787	66	229	268	3,463
1969	1,643	858	np	828	61	204	199	3,793
1970	1,504	871	np	919	49	208	166	3,717
1971	1,054	878	np	822	69	173	149	3,145
1972	1,845	856	np	813	110	198	140	3,962
1973	1,142	474	np	718	65	72	136	2,607
1974	101	70	np	42	4	192	125	530
1975	279	77	np	138	13	193	107	807
1976	196	135	4	108	39	209	47	734
1977	187	887	130	89	5	328	192	1,818
1978	1,172	963	3	127	27	239	499	3,030
1979	494	114	59	185	33	197	294	1,376
1980	382	211	2	172	28	214	276	1,285
1981	243	625	2	222	35	201	605	1,933
1982	713	652	156	800	46	179	946	3,492
1983	1,346	864	278	662	84	188	5,874	9,296
1984	367	1,795	192	275	118	191	5,493	8,431
1985	2,861	1,950	577	1,106	98	189	924	7,705
1986	5,158	3,500	423	1,042	112	254	1,325	11,814
1987	8,490	2,931	475	1,204	144	1,531	1,972	16,747
1988	7,219	1,842	465	924	117	1,607	2,306	14,480
1989	3,141	603	671	1,184	81	1,771	3,436	10,887
1990	2,701	2,311	465	441	96	1,898	1,386	9,298
1991	2,649	2,166	550	407	154	1,858	431	8,215
1992	2,499	1,403	512	751	188	1,899	1,916	9,168
1993	4,844	1,909	650	1,226	173	1,967	2,633	13,402
1994	1,447	1,156	337	826	202	1,978	1,933	7,879
1995	3,024	587	784	30	98	1,896	834	7,253
1996 ⁵	-384	-473	175	-105	56	1,793	6,220	7,281

np = No program.

¹Components may not add due to rounding. Includes both cash payments and payments in kind (PIK).

²Includes Great Plains and other conservation programs.

³Through 1970, total amounts are for Soil Bank Programs, which were discontinued in 1971. Starting with 1971, amounts include all other programs.

⁴Less than \$500,000.

⁵Commodity-specific payments in 1996 reflect final deficiency payments due farmers under previous law, as well as repayments by farmers of unearned deficiency payments disbursed in advance of final determination. Production flexibility payments under the 1996 Farm Act are included in the miscellaneous category.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 6-2—Total direct government payments by State, 1990-96

State	1990	1991	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>						
Alabama	82,226	66,350	119,132	137,240	89,337	53,432	75,476
Alaska	1,117	1,285	1,694	1,789	1,348	1,735	1,258
Arizona	43,349	40,493	75,580	113,878	72,125	9,456	57,283
Arkansas	312,696	352,750	410,026	704,667	302,809	383,199	361,872
California	252,333	260,825	430,382	522,146	272,678	237,670	293,741
Colorado	236,723	217,102	203,234	250,253	176,967	166,963	175,621
Connecticut	2,123	1,351	2,217	2,892	2,367	2,382	1,792
Delaware	3,213	2,676	2,976	6,244	5,580	3,109	4,889
Florida	37,155	40,786	53,085	110,680	58,588	55,045	22,648
Georgia	130,593	97,675	182,300	225,493	139,726	66,393	114,452
Hawaii	519	906	1,822	3,131	2,911	947	580
Idaho	133,431	141,250	137,395	159,316	127,322	89,449	115,773
Illinois	506,603	441,407	480,651	851,190	302,915	543,704	386,693
Indiana	244,170	210,055	232,518	378,953	136,807	245,968	213,633
Iowa	753,733	644,955	662,278	1,229,544	732,429	784,662	501,668
Kansas	834,746	697,895	592,145	783,963	467,532	422,226	554,988
Kentucky	81,610	73,416	72,125	96,697	54,879	67,358	74,666
Louisiana	154,631	174,605	270,835	367,357	181,289	157,129	176,435
Maryland	17,386	15,342	16,067	26,289	15,601	15,142	17,638
Massachusetts	3,023	1,494	4,761	3,643	4,717	2,458	1,547
Maine	6,982	6,066	10,253	19,667	14,114	14,080	4,638
Michigan	168,831	123,691	142,509	241,342	102,065	150,996	109,571
Minnesota	511,759	435,819	422,023	823,250	622,280	467,601	348,706
Mississippi	185,969	176,298	279,904	383,791	225,528	129,159	184,901
Missouri	299,065	268,615	293,645	455,364	267,404	255,972	289,227
Montana	299,599	320,133	298,773	338,008	256,143	189,801	240,718
Nebraska	624,646	490,659	478,729	806,273	348,246	507,303	388,738
New Hampshire	1,856	1,477	1,550	1,942	1,475	1,183	1,094
North Carolina	73,255	52,837	74,805	132,448	77,618	40,151	75,628
North Dakota	545,378	533,853	443,156	564,531	457,317	296,215	353,417
Nevada	5,347	5,679	11,244	7,013	4,784	4,265	2,605
New Jersey	15,744	4,051	10,695	7,298	7,596	5,492	3,250
New Mexico	63,840	58,447	60,267	76,442	61,042	55,134	58,989
New York	59,304	41,242	47,872	72,286	42,417	43,481	43,277
Ohio	197,006	156,708	166,122	265,374	117,041	167,236	163,079
Oklahoma	319,040	290,922	248,322	323,949	207,003	164,621	236,693
Oregon	89,137	89,105	87,474	92,806	74,416	51,773	73,202
Pennsylvania	41,414	34,364	48,765	45,151	32,688	41,055	37,100
Rhode Island	191	110	308	140	451	318	156
South Carolina	62,637	49,364	72,588	102,512	60,188	33,771	42,865
South Dakota	332,851	286,237	271,899	432,424	289,205	244,998	229,543
Tennessee	91,029	70,331	115,866	160,624	95,584	47,329	79,793
Texas	974,702	777,925	1,162,039	1,420,830	863,129	642,673	764,454
Utah	34,897	33,197	35,972	36,614	32,055	24,495	20,986
Vermont	5,793	3,339	5,550	3,377	4,254	4,325	4,012
Virginia	32,378	26,616	29,072	46,346	34,232	25,390	30,377
Washington	205,425	206,084	188,743	207,208	152,840	115,832	155,304
West Virginia	6,049	5,421	6,862	6,259	5,513	5,235	4,537
Wisconsin	181,243	149,950	166,027	310,168	236,401	183,832	156,789
Wyoming	31,283	33,241	36,663	43,213	38,173	31,229	24,374
United States	9,298,030	8,214,399	9,168,920	13,402,015	7,879,129	7,253,372	7,280,678

Source: Economic Research Service, U.S. Department of Agriculture.

Table 6-3—Direct government payments by program and State, 1994¹

Year	Feed grains	Wheat	Rice	Cotton	Wool Act	Conservation ²	Miscellaneous ³	Total
<i>Thousand dollars</i>								
Alabama	2,522	2,841	0	31,756	131	30,193	21,894	89,337
Alaska	107	0	0	0	9	1,098	134	1,348
Arizona	1,827	4,932	0	54,472	1,701	2,997	6,196	72,125
Arkansas	3,707	19,708	132,478	56,235	541	17,032	73,108	302,809
California	8,010	22,672	67,699	92,860	9,952	14,640	56,845	272,678
Colorado	21,982	44,744	0	0	8,064	85,016	17,161	176,967
Connecticut	340	0	0	0	42	372	1,613	2,367
Delaware	1,226	461	0	0	5	553	3,335	5,580
Florida	1,406	484	83	3,606	34	15,684	37,291	58,588
Georgia	7,628	9,520	0	31,052	37	32,506	58,983	139,726
Hawaii	0	0	0	0	11	714	2,186	2,911
Idaho	18,596	44,204	0	0	5,195	42,209	17,118	127,322
Illinois	178,445	16,901	0	0	768	70,053	36,748	302,915
Indiana	79,125	9,001	0	0	330	37,250	11,101	136,807
Iowa	238,724	213	0	0	3,013	195,266	295,213	732,429
Kansas	73,717	199,183	0	31	2,141	163,088	29,372	467,532
Kentucky	16,057	5,175	10	0	190	29,654	3,793	54,879
Louisiana	3,061	3,371	52,752	71,819	38	10,037	40,211	181,289
Maine	317	2	0	0	134	4,559	9,102	14,114
Maryland	4,522	1,509	0	0	136	2,482	6,952	15,601
Massachusetts	153	0	0	0	80	658	3,826	4,717
Michigan	39,376	10,516	0	0	999	24,406	26,768	102,065
Minnesota	127,790	53,583	0	0	2,069	108,546	330,292	622,280
Mississippi	2,253	4,906	25,045	112,007	19	41,668	39,630	225,528
Missouri	36,761	24,167	10,097	18,036	1,622	124,538	52,183	267,404
Montana	35,725	89,401	0	0	11,772	109,940	9,305	256,143
Nebraska	160,763	42,782	0	0	1,959	85,372	57,370	348,246
Nevada	156	514	0	0	1,583	822	1,709	4,784
New Hampshire	129	0	0	0	79	726	541	1,475
New Jersey	1,089	267	0	0	42	650	5,548	7,596
New Mexico	4,889	6,042	0	5,398	9,222	21,700	13,791	61,042
New York	13,241	2,566	0	0	521	8,088	18,001	42,417
North Carolina	12,755	5,131	0	18,497	120	10,414	30,701	77,618
North Dakota	70,373	167,502	0	0	3,403	114,761	101,278	457,317
Ohio	51,024	17,590	0	0	1,699	31,294	15,434	117,041
Oklahoma	4,996	105,623	113	17,308	2,764	55,124	21,075	207,003
Oregon	3,911	25,504	0	0	3,534	29,672	11,795	74,416
Pennsylvania	7,983	912	0	0	700	9,992	13,101	32,688
Rhode Island	1	0	0	0	10	89	351	451
South Carolina	6,820	5,677	0	12,947	8	14,148	20,588	60,188
South Dakota	53,523	51,283	0	0	11,174	74,733	98,492	289,205
Tennessee	7,027	5,503	63	34,335	92	26,999	21,565	95,584
Texas	66,557	73,431	48,370	265,400	89,820	182,502	137,049	863,129
Utah	2,157	3,536	0	0	8,496	11,052	6,814	32,055
Vermont	333	1	0	0	216	1,937	1,767	4,254
Virginia	5,789	2,741	0	618	812	6,994	17,278	34,232
Washington	16,183	66,686	0	0	872	57,003	12,096	152,840
West Virginia	726	61	0	0	425	2,345	1,956	5,513
Wisconsin	50,828	1,518	0	0	610	54,154	129,291	236,401
Wyoming	2,309	3,476	0	0	14,753	12,308	5,327	38,173
United States	1,446,939	1,155,840	336,710	826,377	201,947	1,978,038	1,933,278	7,879,129

¹Includes both cash payments and payments in kind (PIK).

²Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

³The programs included Rural Clean Water, Forestry Incentive Long Term, Water Bank Practice Cost Share, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Milk Diversion, Emergency Feed, Rice Marketing, 90 Day Rule, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Wetlands Reserve, and Disaster non-Program Crops.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 6-4—Direct government payments by program and State, 1995¹

Year	Feed grains	Wheat	Rice	Cotton	Wool Act	Conservation ²	Miscellaneous ³	Total
<i>Thousand dollars</i>								
Alabama	3,366	1,736	0	1,605	42	31,768	14,914	53,432
Alaska	57	0	0	0	1	1,056	621	1,735
Arizona	1,914	2,100	0	2,131	771	1,783	757	9,456
Arkansas	6,306	9,743	312,680	1,317	128	15,336	37,689	383,199
California	8,635	11,701	155,898	5,239	5,797	15,360	35,040	237,670
Colorado	43,441	21,681	0	0	4,838	83,175	13,828	166,963
Connecticut	720	0	0	0	20	382	1,260	2,382
Delaware	2,178	151	0	0	1	373	406	3,109
Florida	1,638	215	163	14	4	10,246	42,765	55,045
Georgia	9,811	3,705	0	-201	27	32,141	20,910	66,393
Hawaii	0	0	0	0	0	406	541	947
Idaho	7,544	22,453	0	0	3,078	40,898	15,476	89,449
Illinois	453,012	9,268	0	0	384	66,016	15,024	543,704
Indiana	200,170	4,336	0	0	180	35,742	5,540	245,968
Iowa	590,712	87	0	0	1,391	183,865	8,607	784,662
Kansas	154,774	96,105	0	-4	911	157,485	12,955	422,226
Kentucky	34,003	2,608	33	0	94	28,214	2,406	67,358
Louisiana	4,324	2,262	122,038	2,154	14	9,048	17,289	157,129
Maine	577	0	0	0	54	3,575	9,874	14,080
Maryland	9,719	667	0	0	85	2,370	2,301	15,142
Massachusetts	425	0	0	0	38	498	1,497	2,458
Michigan	86,358	5,186	0	0	475	22,817	36,160	150,996
Minnesota	268,603	27,744	0	0	1,057	106,069	64,128	467,901
Mississippi	3,438	2,587	61,395	4,473	16	38,561	18,689	129,159
Missouri	84,962	11,366	25,097	338	589	119,034	14,586	255,972
Montana	18,119	46,826	0	0	6,982	108,702	9,172	189,801
Nebraska	382,850	20,297	0	0	817	81,416	21,923	507,303
Nevada	108	342	0	0	732	785	2,298	4,265
New Hampshire	267	0	0	0	32	575	309	1,183
New Jersey	2,209	129	0	0	28	402	2,724	5,492
New Mexico	7,976	3,412	0	-108	4,753	20,616	18,485	55,134
New York	25,589	1,366	0	0	306	6,152	10,068	43,481
North Carolina	19,856	1,940	0	-666	67	9,213	9,741	40,151
North Dakota	48,133	87,987	0	0	1,761	113,720	44,614	296,215
Ohio	121,457	7,583	0	0	792	28,868	8,536	167,236
Oklahoma	9,630	55,742	227	941	932	52,851	44,298	164,621
Oregon	2,635	11,858	0	0	1,833	28,801	6,646	51,773
Pennsylvania	16,543	432	0	0	434	9,639	14,007	41,055
Rhode Island	5	0	0	0	4	206	103	318
South Carolina	10,162	2,928	0	671	5	13,023	6,982	33,771
South Dakota	104,094	28,590	0	0	5,614	75,911	30,789	244,998
Tennessee	13,235	2,651	177	493	52	25,807	4,914	47,329
Texas	128,216	40,565	106,755	11,327	38,280	174,084	143,446	642,673
Utah	1,619	1,839	0	0	4,759	10,508	5,770	24,495
Vermont	796	0	0	0	100	1,786	1,643	4,325
Virginia	9,638	1,259	0	-36	466	6,530	7,533	25,390
Washington	9,699	33,283	0	0	507	55,859	16,484	115,832
West Virginia	1,470	29	0	0	245	1,634	1,857	5,235
Wisconsin	110,838	721	0	0	356	51,178	20,739	183,832
Wyoming	2,114	1,714	0	0	8,403	11,719	7,279	31,229
United States	3,023,945	587,194	784,463	29,688	98,255	1,896,203	833,623	7,253,372

¹Includes both cash payments and payments in kind (PIK).

²Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

³The programs include Rural Clean Water, Forestry Incentive Annual, Forestry Incentive Long Term, Water Bank Annual, Water Bank Practice Cost Share, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Milk Diversion, Emergency Feed, Rice Marketing, 90 Day Rule, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Wetlands Reserve, and Interest On CCC 6S.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 6-5—Direct government payments by program and State, 1996¹

Year	Feed grains	Wheat	Rice	Cotton	Wool Act	Conservation ²	Miscellaneous ³	Total
<i>Thousand dollars</i>								
Alabama	314	-212	0	-4,119	16	28,813	50,665	75,476
Alaska	-23	-0	0	0	3	1,091	187	1,258
Arizona	17	-1,166	0	-7,082	523	1,422	63,569	57,283
Arkansas	-93	-8,170	68,240	-7,374	72	14,201	294,995	361,872
California	-563	-4,526	34,272	-13,668	3,088	16,997	258,141	293,741
Colorado	-3,450	-17,015	0	0	2,521	80,423	113,142	175,621
Connecticut	-106	0	0	0	9	331	1,558	1,792
Delaware	-353	-149	0	0	1	372	5,017	4,889
Florida	134	-41	5	-351	2	7,737	15,162	22,648
Georgia	358	-1,509	0	-3,025	13	29,990	88,626	114,452
Hawaii	0	0	0	0	0	390	190	580
Idaho	-4,477	-19,910	0	0	1,591	39,629	98,939	115,773
Illinois	-66,086	-8,978	0	0	196	63,879	397,683	386,693
Indiana	-23,350	-4,150	0	0	86	33,177	207,871	213,633
Iowa	-112,123	-77	0	0	728	170,112	443,027	501,668
Kansas	-14,443	-87,920	0	-1	448	153,081	503,824	554,988
Kentucky	-1,394	-2,224	8	0	44	25,302	52,931	74,666
Louisiana	324	-410	26,744	-9,225	4	8,454	150,544	176,435
Maine	-55	0	0	0	26	2,943	1,724	4,638
Maryland	-1,123	-619	0	0	46	2,363	16,971	17,638
Massachusetts	-27	0	0	0	17	441	1,116	1,547
Michigan	-9,308	-4,476	0	0	231	22,959	100,166	109,571
Minnesota	-42,070	-24,769	0	0	589	98,814	316,142	348,706
Mississippi	136	-1,261	13,103	-15,530	4	37,324	151,124	184,901
Missouri	-2,313	-9,615	5,611	-1,666	350	113,753	183,107	289,227
Montana	-6,295	-41,494	0	0	3,504	102,825	182,179	240,718
Nebraska	-47,314	-17,668	0	0	422	76,793	376,504	388,738
Nevada	-26	-148	0	0	352	654	1,773	2,605
New Hampshire	-3	0	0	0	15	424	657	1,094
New Jersey	-125	-84	0	0	13	298	3,147	3,250
New Mexico	-534	-1,676	0	-514	2,526	19,183	40,006	58,989
New York	-2,045	-943	0	0	156	6,359	39,750	43,277
North Carolina	-197	-1,342	0	-1,369	36	8,495	70,005	75,628
North Dakota	-12,319	-77,769	0	0	961	106,213	336,332	353,417
Ohio	-10,239	-7,266	0	0	401	27,638	152,545	163,079
Oklahoma	-673	-43,050	63	-2,431	443	49,937	232,405	236,693
Oregon	-588	-9,793	0	0	1,054	28,571	53,958	73,202
Pennsylvania	-1,539	-302	0	0	216	8,263	30,462	37,100
Rhode Island	-1	0	0	0	2	61	94	156
South Carolina	770	-1,452	0	-1,858	1	12,544	32,858	42,865
South Dakota	-2,267	-15,981	0	0	2,809	68,851	176,130	229,543
Tennessee	-87	-1,889	22	-4,291	25	23,325	62,689	79,793
Texas	-6,536	-20,639	26,727	-32,341	24,621	163,461	609,160	764,454
Utah	-436	-1,196	0	0	2,565	9,811	10,242	20,986
Vermont	-76	-0	0	0	34	1,335	2,720	4,012
Virginia	-502	-920	0	-39	223	6,877	24,738	30,377
Washington	-2,203	-30,491	0	0	260	54,896	132,841	155,304
West Virginia	-144	-20	0	0	136	1,944	2,621	4,537
Wisconsin	-10,483	-644	0	0	181	48,903	118,832	156,789
Wyoming	-456	-1,260	0	0	4,127	11,060	10,903	24,374
United States	-384,393	-473,223	174,795	-104,884	55,689	1,792,720	6,219,973	7,280,678

¹Includes both cash payments and payments in kind (PIK).

²Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

³Includes Production Flexibility Contracts Payments under the 1996 Farm Act. Other programs included in the miscellaneous category are Rural Clean Water, Forestry Incentive Annual, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation Milk Marketing Fee, Options Pilot, Emergency Feed, Rice Marketing, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Noninsured Assistance, Interest on NAP, Karnal Bunt Fungus, Production Flexibility, Disaster Reserve, and Environment Quality Incentives.

Source: Economic Research Service, U.S. Department of Agriculture.

Farm Business Debt Rose \$5 Billion in 1996

Jim Ryan

In 1996, farm debt reached its highest level since 1986, but farm equity rose as gains in asset values outpaced the increase in debt. California carried the largest total farm business debt, followed by Iowa and Texas. Banks' share of farm business lending decreased for the first time in 15 years.

Debt Increase Moderate, Given the Sector's Healthy Financial Condition

Total farm business debt rose more than \$5 billion during 1996, reaching over \$156 billion, the highest since 1986. The 1996 increase marked the fourth consecutive year of rising debt. This growth in loan balances reflected investors' positive view of the future of the farm sector—stable to growing returns on their investment—and the favorable interest rate environment (see Chapter 3). Various measures of the debt burden (see Chapter 4) indicate that the current increase, while a matter of concern, is not threatening to the sector's financial condition. Farm asset values have been rising more rapidly than debt in recent years, as evidenced by the decline in the sector's **debt/asset** ratio from 23 percent in 1985 to 15.1 percent in 1996. Rising debt loads have not produced widespread financial problems for U.S. farmers. While the additional indebtedness may burden farmers' ability to repay in certain geographic areas, it is not expected to precipitate a return of the financial stress experienced in the early 1980's (fig. 7-1). (Financial ratios are defined in Chapter 4.)

Measures of farmers' ability to meet payments on their loans improved slightly in 1996; they remained favorable relative to their levels in the early 1980's. The **farm business debt service coverage** ratio, which assesses the ability of farm businesses to repay interest and principal from current earnings, rose from 2.10 in 1995 to 2.33 in 1996, indicating that farmers had adequate income to service their existing debt. This measure remains above its 1985 level of 1.65. The **debt servicing** ratio was stable at 14 percent during 1992-94, but rose to 15 percent in 1995, and fell back to 14 percent in 1996, indicating that loan payments were taking a smaller portion of current income. In contrast,

principal and interest payments had absorbed 25 percent of gross cash income in 1985. These measures suggest that farmers in the early 1990's were better able to meet the scheduled interest and principal payments on their debt out of current income than they had been during the previous decade.

Debt repayment capacity utilization (fig. 7-2), a measure of the actual debt held compared with the theoretical maximum debt that could be repaid from current income, rose from 45 percent in 1993 to 53 percent in 1994. This measure increased further to 56 percent in 1995, a new high for in the 1990's. The favorable income level reduced this measure to 49 percent in 1996. By comparison, **debt repayment capacity utilization** had reached almost 107 percent in 1981. Recent changes in this measure reflect a reduction in use of total debt repayment capacity, and its level remains favorable compared with the values recorded in 1977-86. (See *Agricultural Income and Finance*, May 1992 or September 1995, for additional information about the use of the debt repayment capacity utilization measure.)

A similar general assessment applies to interest on farm debt. Although rising in 1996, interest payments were a significantly smaller expense item than in the early 1980's. Total interest payments on farm business loans were about \$500 million higher in 1996 than in 1995. This marked the third consecutive increase in interest expenses, which had declined annually from 1982 through 1993. Farm business debt has been rising since reaching a low in 1989, but generally favorable interest rates have restrained interest expenses. Economywide interest rates generally trended upward during the first three quarters of 1996, then declined late in the year. For the year, average interest rates on existing agricultural loans rose, since many production loans had been negotiated before the decline in overall interest rates.

Despite Federal Reserve Bank surveys indicating that the average bank interest rates on new nonreal estate loans fell from 9.5 percent in 1995 to 8.4 percent in 1996, the average rate on all outstanding nonreal estate

loans rose slightly, from 9.5 percent in 1995 to 9.6 percent in 1996. Average interest rates on outstanding loans represent a weighted average of interest rates taken out in 1996 and prior years, while rates charged on new loans better reflect the changes in interest rates in the overall economy. Nonreal estate debt rose 3.8 percent in 1996, reaching over \$74 billion. The simultaneous increases in debt and average interest rates produced a \$300-million increase in nonreal estate interest expense. Real estate interest expense rose over \$200 million, as real estate debt increased 3 percent to \$81.9 billion, and average mortgage rates rose from an estimated 8.01 percent in 1995 to 8.14 percent in 1996.

California, Iowa, and Texas Hold the Most Farm Debt

California's 1996 farm business debt was \$14.9 billion, the largest for any State. Iowa was second with \$11.6 billion, followed by Texas with \$10 billion. Illinois, Nebraska, Minnesota, Kansas, Missouri, and Wisconsin each registered farm debt of over \$5 billion. These nine States accounted for about 50 percent of the farm sector's debt in 1996. The top 12 States (adding Indiana, Oklahoma, and Florida) accounted for 58 percent of all debt outstanding.

Commercial Banks' Farm Debt Share Growth Slows

The share of farm business debt held by commercial banks increased continuously from 21 percent in 1981 to 39.8 percent in 1995. It retreated modestly to 39.5 percent in 1996. Over this period, bank-held farm debt rose from less than \$39 billion to \$61.7 billion. Financing provided by the Farm Credit System (FCS) peaked in 1984 at \$65 billion, declined to about \$35 billion by 1990, and stabilized at that level during the early 1990's. In 1996, FCS debt rose to almost \$40 billion, driven principally by a 12-percent gain in nonreal estate loans outstanding. The Farm Credit System's share of farm debt peaked at 34 percent in 1982, declined to less than 25 percent by 1994, and rebounded to 25.5 percent by the end of 1995. The share held by USDA's Farm Service Agency (formerly FmHA) fell from 16 percent in 1987 to less than 6 percent in 1996, as the agency continued to shift its lending focus from direct loans to guaranteed loans. Individuals and others accounted for about 23 percent of total farm financing in 1996.

Farm Credit System loans were a relatively larger share of debt in the Northeast, Appalachia, and Lake States, while commercial banks were the most important loan source for States in the Corn Belt, Northern Plains, Southern Plains, and Delta States. (See tables 7-1 through 7-6 for details on credit sources by State.)

Figure 7-1

U.S. farm sector debt, selected years

Debt rising in the 1990's, but still below the early 1980's

\$ billion

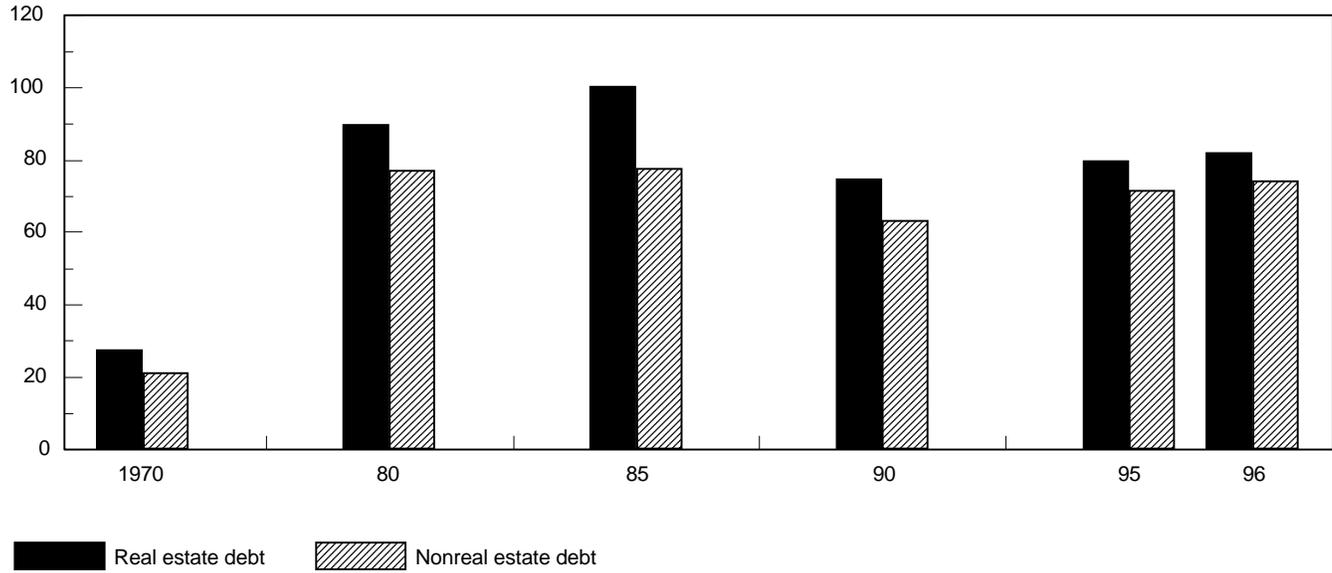


Figure 7-2

Debt capacity utilization, 1970-96

Utilization up for 1995, but close to 1990-95 average

Percent

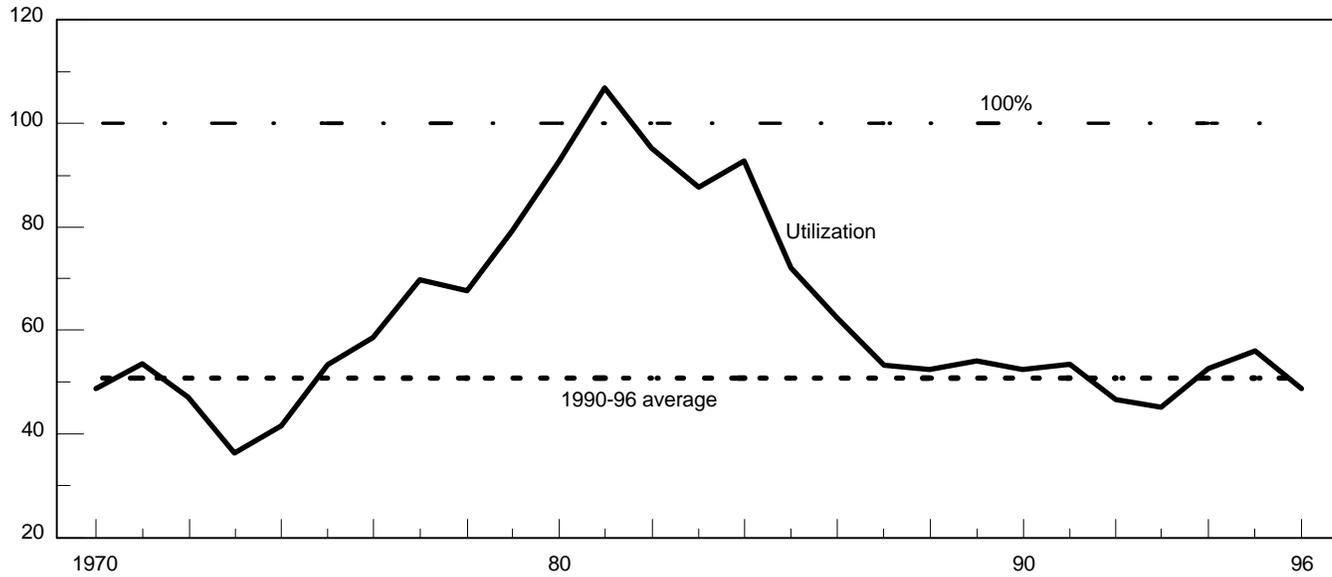


Table 7-1—Real estate farm business debt by State, December 31, 1994

State	Farm Credit System	Farm Service Agency	Life insurance companies	All operating banks	Individual and others	CCC storage and drying loans	Real estate debt ¹
<i>Thousand dollars</i>							
Alabama	206,944	57,793	31,333	300,018	117,813	0	713,902
Alaska	738	430	1,059	3,056	4,732	0	10,014
Arizona	80,550	47,613	157,448	40,194	145,504	0	471,309
Arkansas	563,677	165,868	245,608	721,295	207,552	0	1,904,000
California	2,499,664	199,261	2,761,991	1,088,132	1,405,153	0	7,954,202
Colorado	708,723	71,850	155,735	246,017	387,746	0	1,570,069
Connecticut	52,853	9,760	0	6,038	16,802	0	85,453
Delaware	73,502	9,033	15,848	32,871	23,437	0	154,692
Florida	518,272	86,947	1,253,963	705,138	355,317	0	2,919,637
Georgia	505,224	95,229	113,860	707,181	169,315	0	1,590,809
Hawaii	59,866	27,996	27,388	40,634	10,378	0	166,261
Idaho	513,962	154,956	169,396	41,174	343,081	0	1,222,568
Illinois	1,428,318	211,918	294,804	1,716,251	936,621	0	4,587,912
Indiana	847,404	158,349	274,737	936,633	814,229	0	3,031,351
Iowa	1,327,592	296,163	399,712	1,884,511	2,126,670	0	6,034,648
Kansas	992,580	183,801	138,135	833,226	446,087	0	2,593,830
Kentucky	411,777	184,727	54,970	793,683	298,614	0	1,743,771
Louisiana	254,231	72,611	137,580	217,671	101,967	0	784,060
Maine	27,851	42,877	19,470	6,782	17,426	0	114,406
Maryland	378,975	21,254	20,007	113,607	127,569	0	661,412
Massachusetts	61,407	21,413	24,193	3,872	18,198	0	129,084
Michigan	605,013	118,209	60,576	242,501	400,257	0	1,426,557
Minnesota	1,194,529	190,803	209,912	1,055,273	1,117,941	0	3,768,459
Mississippi	236,590	155,781	236,737	478,967	162,263	0	1,270,338
Missouri	639,723	226,474	164,387	1,210,361	630,706	0	2,871,650
Montana	488,213	134,987	175,748	231,940	587,522	0	1,618,410
Nebraska	835,642	242,987	263,124	1,089,976	677,516	0	3,109,245
Nevada	62,946	13,921	15,235	10,357	54,636	0	157,095
New Hampshire	19,910	6,635	0	4,540	9,084	0	40,170
New Jersey	119,902	24,389	5,554	32,952	76,479	0	259,276
New Mexico	232,845	49,635	63,384	107,323	151,712	0	604,900
New York	348,813	124,882	3,919	157,164	250,287	0	885,064
North Carolina	485,934	132,191	67,897	499,913	174,815	0	1,360,749
North Dakota	684,997	222,164	26,070	366,824	324,551	0	1,624,606
Ohio	718,836	111,957	84,417	677,132	438,393	0	2,030,735
Oklahoma	519,678	213,418	87,753	473,826	364,674	0	1,659,349
Oregon	405,734	83,346	214,667	73,975	568,659	0	1,346,381
Pennsylvania	491,794	92,159	6,464	573,281	245,609	0	1,409,307
Rhode Island	12,792	2,796	0	1,315	1,710	0	18,613
South Carolina	211,027	58,345	7,352	71,383	60,048	0	408,154
South Dakota	459,146	277,414	53,924	325,735	384,416	0	1,500,636
Tennessee	382,843	133,249	25,572	415,871	165,749	0	1,123,285
Texas	1,791,605	281,400	400,561	974,765	1,085,264	0	4,533,595
Utah	93,242	45,528	11,081	43,804	146,950	0	340,604
Vermont	67,711	39,048	0	46,493	33,421	0	186,672
Virginia	705,529	58,681	45,024	251,019	159,808	0	1,220,061
Washington	502,515	104,336	328,250	227,884	400,144	0	1,563,129
West Virginia	71,433	33,738	73,922	77,096	25,345	0	281,535
Wisconsin	671,464	156,440	60,034	918,692	671,005	0	2,477,634
Wyoming	112,584	31,199	61,504	81,057	133,515	0	419,859
United States	24,687,100	5,485,961	9,050,305	21,159,403	17,576,690	0	77,959,458

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 7-2—Nonreal estate farm business debt by State, December 31, 1994

State	All operating banks	Farm Credit System	Farm Service Agency	Individuals and others	Nonreal estate debt ¹	CCC commodity loans
<i>Thousand dollars</i>						
Alabama	290,185	165,900	47,222	253,560	756,867	21,021
Alaska	3,172	0	22	2,838	6,032	0
Arizona	391,726	104,124	86,113	188,115	770,078	49,876
Arkansas	685,885	257,265	183,613	372,920	1,499,683	433,710
California	3,268,476	1,055,287	394,421	1,272,535	5,990,719	251,778
Colorado	748,187	177,555	52,493	510,923	1,489,158	49,931
Connecticut	4,312	73,149	6,200	29,925	113,587	183
Delaware	36,170	45,638	3,293	66,204	151,306	1,894
Florida	402,201	295,527	111,332	332,311	1,141,371	645
Georgia	428,124	338,439	165,925	338,886	1,271,374	15,685
Hawaii	31,271	14,483	11,993	35,093	92,839	0
Idaho	866,904	170,909	98,486	233,785	1,370,084	25,369
Illinois	2,159,193	277,904	128,370	649,651	3,215,118	683,427
Indiana	838,679	259,116	92,309	452,939	1,643,044	323,133
Iowa	3,241,039	245,724	237,594	976,772	4,701,128	1,137,393
Kansas	2,168,606	230,884	116,552	824,149	3,340,191	119,590
Kentucky	467,910	242,061	98,204	215,887	1,024,062	48,100
Louisiana	330,695	77,715	252,039	161,587	822,036	145,374
Maine	45,536	65,884	52,765	45,626	209,811	68
Maryland	48,872	155,448	14,510	137,863	356,694	13,268
Massachusetts	57,629	58,218	14,804	29,662	160,313	140
Michigan	368,419	415,717	151,098	121,782	1,217,016	93,104
Minnesota	2,037,930	623,563	236,093	656,698	3,554,284	736,748
Mississippi	446,365	131,206	355,565	217,410	1,150,546	220,569
Missouri	1,247,116	207,078	141,411	395,006	1,990,610	163,881
Montana	620,590	68,845	163,610	144,687	997,733	64,882
Nebraska	3,000,335	251,502	145,374	963,400	4,360,610	519,837
Nevada	13,041	34,120	7,917	23,469	78,547	0
New Hampshire	233	17,621	5,257	11,791	34,902	0
New Jersey	8,680	73,528	31,282	44,218	157,708	3,543
New Mexico	229,207	105,954	30,209	153,476	518,845	9,489
New York	347,138	470,622	196,105	257,397	1,271,262	29,664
North Carolina	435,819	669,655	86,174	424,170	1,615,818	37,870
North Dakota	1,064,406	414,013	271,271	235,563	1,985,253	146,665
Ohio	520,379	330,859	79,858	378,576	1,309,672	184,319
Oklahoma	1,500,900	144,180	247,269	341,996	2,234,345	16,413
Oregon	464,473	121,332	60,922	172,439	819,165	6,843
Pennsylvania	252,705	348,167	114,590	343,740	1,059,202	16,729
Rhode Island	285	14,410	1,881	3,688	20,264	0
South Carolina	68,330	157,051	104,536	111,702	441,619	11,943
South Dakota	1,440,521	200,655	253,494	277,341	2,172,011	229,820
Tennessee	310,519	209,861	116,760	239,774	876,914	99,665
Texas	2,944,909	669,983	595,189	1,175,902	5,385,983	155,842
Utah	167,111	55,570	36,867	69,632	329,179	2,615
Vermont	15,216	83,312	15,174	44,200	157,902	76
Virginia	159,722	228,432	78,195	198,367	664,715	14,881
Washington	1,045,708	91,290	64,324	272,155	1,473,476	25,142
West Virginia	26,355	39,942	21,651	34,402	122,349	1,203
Wisconsin	1,149,100	657,915	215,027	492,611	2,514,653	123,152
Wyoming	329,459	32,837	24,277	93,179	479,753	1,544
United States	36,729,743	11,180,450	6,019,640	15,190,002	69,119,831	6,237,024

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 7-3—Real estate farm business debt by State, December 31, 1995

State	Farm Credit System	Farm Service Agency	Life insurance companies	All operating banks	Individual and others	CCC storage and drying loans	Real estate debt ¹
<i>Thousand dollars</i>							
Alabama	232,994	51,419	25,089	326,828	121,262	0	757,592
Alaska	541	283	0	453	4,859	0	6,137
Arizona	88,884	38,243	148,601	58,854	149,395	0	483,976
Arkansas	606,477	151,411	262,862	768,624	213,449	0	2,002,824
California	2,559,878	180,210	2,790,127	1,087,313	1,444,610	0	8,062,138
Colorado	782,274	69,342	143,470	285,344	398,800	0	1,679,230
Connecticut	52,618	8,169	0	4,485	17,252	0	82,524
Delaware	85,845	5,911	14,836	33,929	24,096	0	164,617
Florida	520,182	78,865	1,188,067	636,989	365,080	0	2,789,183
Georgia	519,348	80,722	114,456	799,575	174,254	0	1,688,354
Hawaii	51,708	27,480	12,793	5,201	10,656	0	107,838
Idaho	497,305	136,412	194,084	45,789	352,999	0	1,226,590
Illinois	1,475,221	197,374	294,935	1,759,932	962,690	0	4,690,151
Indiana	832,696	138,156	273,332	958,059	837,658	0	3,039,902
Iowa	1,334,364	291,384	386,766	2,003,895	2,186,071	0	6,202,480
Kansas	1,030,170	174,475	130,316	881,451	458,609	0	2,675,021
Kentucky	435,890	171,112	48,620	843,751	306,691	0	1,806,063
Louisiana	258,669	61,376	126,361	234,570	104,855	0	785,831
Maine	20,460	38,858	32,122	8,269	17,892	0	117,602
Maryland	346,031	21,710	19,040	99,296	131,211	0	617,289
Massachusetts	58,838	7,390	22,677	4,179	18,684	0	111,768
Michigan	620,462	109,550	55,274	252,542	411,804	0	1,449,632
Minnesota	1,188,882	186,366	215,888	1,149,837	1,149,689	0	3,890,662
Mississippi	254,798	139,824	248,874	525,871	166,948	0	1,336,316
Missouri	771,389	212,242	159,749	1,299,330	649,067	0	3,091,776
Montana	398,286	123,691	177,539	257,497	603,998	0	1,561,011
Nebraska	830,571	235,022	292,442	1,146,884	696,312	0	3,201,231
Nevada	63,569	12,766	17,891	1,814	56,096	0	152,136
New Hampshire	20,199	4,558	0	4,330	9,327	0	38,414
New Jersey	115,499	23,440	244	28,942	78,625	0	246,750
New Mexico	256,955	43,004	64,900	122,941	155,769	0	643,569
New York	334,634	116,867	3,581	147,303	257,441	0	859,827
North Carolina	487,837	113,823	71,908	564,443	179,541	0	1,417,552
North Dakota	681,126	214,229	27,879	383,063	333,551	0	1,639,848
Ohio	724,024	100,590	89,776	692,075	451,105	0	2,057,571
Oklahoma	520,643	202,746	132,358	524,166	375,337	0	1,755,250
Oregon	357,587	73,144	223,873	104,684	585,491	0	1,344,779
Pennsylvania	478,074	85,098	5,585	612,503	252,605	0	1,433,865
Rhode Island	12,449	16,168	0	976	1,755	0	31,349
South Carolina	203,528	52,098	3,315	56,327	61,792	0	377,059
South Dakota	464,027	267,729	73,014	377,608	395,217	0	1,577,595
Tennessee	401,343	117,282	26,188	440,537	170,181	0	1,155,532
Texas	1,864,506	262,585	397,337	1,049,110	1,116,248	0	4,689,786
Utah	98,462	42,721	10,987	46,325	150,879	0	349,374
Vermont	69,373	36,728	18	40,991	34,315	0	181,424
Virginia	652,604	51,489	40,205	258,130	164,115	0	1,166,544
Washington	418,594	92,933	358,315	256,576	411,610	0	1,538,027
West Virginia	66,884	31,937	69,340	75,861	26,030	0	270,053
Wisconsin	700,114	144,564	59,392	996,104	690,453	0	2,590,626
Wyoming	91,577	29,874	61,816	94,534	137,342	0	415,143
United States	24,938,389	5,073,370	9,116,242	22,358,090	18,073,716	0	79,559,811

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 7-4—Nonreal estate farm business debt by State, December 31, 1995

State	All operating banks	Farm Credit System	Farm Service Agency	Individuals and others	Nonreal estate debt ¹	CCC commodity loans
<i>Thousand dollars</i>						
Alabama	304,040	187,741	38,926	269,919	800,627	10,048
Alaska	2,415	0	248	3,021	5,684	0
Arizona	327,694	129,967	67,062	200,251	724,974	19,462
Arkansas	767,670	300,809	147,194	396,980	1,612,654	350,443
California	3,503,880	1,084,850	318,862	1,354,633	6,262,225	232,644
Colorado	821,932	192,899	47,641	543,885	1,606,358	18,597
Connecticut	2,081	78,495	4,632	31,856	117,064	196
Delaware	23,603	53,204	2,006	70,476	149,288	715
Florida	365,618	354,182	85,766	353,751	1,159,317	148
Georgia	532,402	435,906	135,125	360,750	1,464,183	5,434
Hawaii	33,564	10,786	13,188	37,357	94,894	0
Idaho	858,403	191,724	77,158	248,868	1,376,153	17,637
Illinois	2,276,665	322,068	104,487	691,563	3,394,782	240,572
Indiana	874,136	286,679	73,340	482,161	1,716,316	152,608
Iowa	3,221,649	277,080	202,055	1,039,790	4,740,573	382,623
Kansas	2,114,393	250,673	104,812	877,320	3,347,197	22,381
Kentucky	473,677	278,813	82,724	229,815	1,065,028	26,509
Louisiana	381,130	82,376	189,871	172,013	825,388	123,124
Maine	50,355	70,129	50,916	48,570	219,969	44
Maryland	47,044	141,618	14,148	146,758	349,568	8,034
Massachusetts	25,257	64,146	6,082	31,575	127,059	108
Michigan	355,613	487,079	130,041	299,961	1,272,694	49,136
Minnesota	2,151,792	756,709	208,748	699,065	3,816,315	345,507
Mississippi	487,734	154,083	293,124	231,436	1,166,377	185,238
Missouri	1,341,047	243,696	116,615	420,490	2,121,847	60,012
Montana	636,944	73,281	142,478	154,022	1,006,724	38,988
Nebraska	3,069,653	278,158	126,245	1,025,555	4,499,611	141,881
Nevada	15,695	35,415	8,041	24,983	84,134	0
New Hampshire	762	20,276	2,783	12,552	36,373	0
New Jersey	8,499	84,494	30,804	47,070	170,867	2,344
New Mexico	234,602	114,024	25,883	163,378	537,886	4,294
New York	373,655	493,696	176,378	274,003	1,317,732	24,100
North Carolina	469,723	873,813	67,535	451,536	1,862,607	14,779
North Dakota	1,145,167	439,313	245,485	250,760	2,080,726	66,730
Ohio	561,514	358,839	61,773	403,001	1,385,127	84,052
Oklahoma	1,369,356	145,851	217,367	364,059	2,096,633	3,924
Oregon	472,958	133,993	54,358	183,564	844,872	2,936
Pennsylvania	252,362	337,718	106,256	365,916	1,062,253	9,485
Rhode Island	0	14,297	11,546	3,926	29,770	0
South Carolina	64,640	202,953	80,635	118,908	467,136	4,245
South Dakota	1,418,550	203,839	219,278	295,234	2,136,900	84,932
Tennessee	349,427	222,609	94,835	255,243	922,114	75,251
Texas	3,007,590	703,942	506,088	1,251,767	5,469,387	89,770
Utah	174,443	56,527	35,039	74,124	340,133	2,113
Vermont	13,821	90,082	15,603	47,052	166,557	123
Virginia	159,236	239,205	65,308	211,165	674,914	6,817
Washington	1,069,883	106,973	52,733	289,713	1,519,302	14,088
West Virginia	25,409	37,370	21,936	36,621	121,335	1,064
Wisconsin	1,165,394	731,923	187,326	524,392	2,609,036	55,162
Wyoming	345,137	38,135	21,101	99,191	503,563	725
United States	37,748,214	12,472,438	5,091,585	16,169,999	71,482,226	2,979,023

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 7-5—Real estate farm business debt by State, December 31, 1996

State	Farm Credit System	Farm Service Agency	Life insurance companies	All operating banks	Individual and others	CCC storage and drying loans	Real estate debt ¹
<i>Thousand dollars</i>							
Alabama	263,968	44,686	24,235	338,821	124,420	0	796,130
Alaska	493	642	0	1,058	4,985	0	7,179
Arizona	109,441	34,380	132,331	42,974	153,286	0	472,411
Arkansas	636,357	139,321	288,561	791,651	219,009	0	2,074,898
California	2,651,820	167,706	2,872,123	1,123,680	1,482,230	0	8,297,559
Colorado	819,949	64,497	141,869	308,043	409,185	0	1,743,543
Connecticut	48,774	7,372	0	6,274	17,701	0	80,120
Delaware	85,758	5,400	0	37,347	24,724	0	153,229
Florida	503,019	71,087	1,178,999	559,905	374,587	0	2,687,597
Georgia	495,728	70,495	150,909	860,950	178,792	0	1,756,873
Hawaii	50,873	26,533	12,233	4,465	10,933	0	105,036
Idaho	502,576	123,262	230,853	42,449	362,192	0	1,261,332
Illinois	1,494,153	186,639	318,095	1,894,184	987,759	0	4,880,830
Indiana	849,387	129,030	295,734	949,110	859,473	0	3,082,734
Iowa	1,482,981	273,431	414,406	2,089,485	2,243,000	0	6,503,303
Kansas	1,043,899	165,966	132,937	879,116	470,552	0	2,692,470
Kentucky	488,043	158,922	48,772	853,781	314,677	0	1,864,195
Louisiana	280,201	52,491	108,412	233,556	107,585	0	782,245
Maine	18,161	35,779	42,859	8,246	18,357	0	123,402
Maryland	338,390	20,034	19,734	96,843	134,628	0	609,629
Massachusetts	56,184	20,139	20,731	4,623	19,171	0	120,848
Michigan	643,997	102,066	50,398	270,937	422,528	0	1,489,926
Minnesota	1,204,717	178,250	250,847	1,203,611	1,179,629	0	4,017,053
Mississippi	277,635	126,827	247,451	587,165	171,297	0	1,410,375
Missouri	794,168	198,827	159,296	1,410,743	665,969	0	3,229,003
Montana	388,875	115,678	204,446	279,709	619,727	0	1,608,435
Nebraska	915,094	221,636	318,892	1,198,959	714,445	0	3,369,026
Nevada	64,866	10,881	12,069	3,272	57,558	0	148,646
New Hampshire	19,660	4,151	0	3,650	9,570	0	37,031
New Jersey	245,015	22,554	242	20,922	80,673	0	369,406
New Mexico	288,104	39,826	69,970	134,891	159,826	0	692,617
New York	302,980	111,910	7,136	156,611	264,146	0	842,783
North Carolina	462,987	102,074	87,054	587,654	184,216	0	1,423,986
North Dakota	666,124	204,801	32,723	413,011	342,237	0	1,658,896
Ohio	772,931	92,987	95,820	728,017	462,853	0	2,152,608
Oklahoma	587,652	194,590	157,536	557,341	385,111	0	1,882,230
Oregon	352,861	66,306	214,263	79,535	600,738	0	1,313,702
Pennsylvania	454,761	81,203	683	638,057	259,183	0	1,433,888
Rhode Island	11,227	2,607	0	110	1,801	0	15,745
South Carolina	188,202	47,148	5,845	68,445	63,401	0	373,042
South Dakota	471,151	244,076	80,829	416,130	405,509	0	1,617,696
Tennessee	425,658	106,260	26,463	463,093	174,613	0	1,196,087
Texas	1,946,217	250,558	452,383	1,107,521	1,145,317	0	4,901,996
Utah	98,535	39,871	9,964	61,256	154,808	0	364,434
Vermont	65,869	34,613	17	39,313	35,208	0	175,019
Virginia	628,099	46,692	35,083	248,738	168,388	0	1,127,000
Washington	452,728	83,968	331,283	281,393	422,329	0	1,571,701
West Virginia	60,994	30,788	63,603	82,117	26,707	0	264,209
Wisconsin	711,215	132,487	70,907	1,081,694	708,434	0	2,704,736
Wyoming	96,900	27,533	74,438	103,098	140,918	0	442,888
United States	25,819,377	4,718,980	9,493,434	23,353,554	18,544,385	0	81,929,727

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 7-6—Nonreal estate farm business debt by State, December 31, 1996

State	All operating banks	Farm Credit System	Farm Service Agency	Individuals and others	Nonreal estate debt ¹	CCC commodity loans
<i>Thousand dollars</i>						
Alabama	275,364	199,411	43,173	291,185	809,134	32,485
Alaska	1,629	4	598	3,259	5,491	25
Arizona	197,656	139,729	31,077	216,029	584,491	4,438
Arkansas	745,541	309,084	129,521	428,257	1,612,404	311,459
California	3,843,161	1,159,899	155,016	1,461,362	6,619,438	93,184
Colorado	850,150	264,258	60,123	586,737	1,761,269	27,084
Connecticut	6,709	82,588	7,094	34,366	130,756	180
Delaware	19,099	53,810	5,073	76,028	154,010	2,120
Florida	348,597	412,637	64,676	381,622	1,207,531	780
Georgia	590,667	512,096	67,540	389,173	1,559,476	24,373
Hawaii	28,988	8,589	24,195	40,301	102,073	0
Idaho	643,236	270,342	115,505	268,476	1,297,558	26,951
Illinois	2,500,683	366,211	170,857	746,050	3,783,802	300,064
Indiana	872,221	341,942	121,717	520,150	1,856,030	169,955
Iowa	3,440,058	326,118	250,496	1,121,712	5,138,384	492,149
Kansas	1,963,418	283,428	153,508	946,442	3,346,796	43,307
Kentucky	506,873	311,346	151,867	247,922	1,218,008	25,612
Louisiana	355,026	89,338	49,053	185,565	678,982	156,854
Maine	59,481	80,345	34,046	52,397	262,270	86
Maryland	50,689	144,166	19,100	158,320	372,275	11,123
Massachusetts	11,528	72,658	19,254	34,063	137,502	113
Michigan	362,367	576,396	98,442	323,595	1,360,801	39,696
Minnesota	2,231,135	933,900	167,943	754,143	4,087,121	417,164
Mississippi	450,196	157,573	121,664	249,671	979,103	180,432
Missouri	1,418,439	275,393	189,481	453,619	2,336,933	101,454
Montana	650,524	78,550	106,590	166,156	1,001,820	55,594
Nebraska	3,126,606	307,204	202,186	1,106,356	4,742,352	245,919
Nevada	8,163	35,528	10,359	26,952	81,002	60
New Hampshire	733	24,918	4,001	13,541	43,193	0
New Jersey	6,306	83,905	21,160	50,779	162,150	3,151
New Mexico	226,095	140,460	36,226	176,250	579,032	10,885
New York	328,219	538,561	106,808	295,591	1,269,179	21,039
North Carolina	472,932	986,970	97,200	487,112	2,044,214	20,137
North Dakota	1,253,815	511,374	186,296	270,517	2,222,002	162,217
Ohio	650,822	448,397	88,723	434,752	1,622,694	74,916
Oklahoma	1,365,520	167,144	185,057	392,743	2,110,463	5,815
Oregon	459,101	149,616	63,765	198,027	870,508	5,502
Pennsylvania	268,812	355,493	77,774	394,747	1,096,826	12,065
Rhode Island	0	12,927	2,503	4,236	19,666	0
South Carolina	66,487	249,046	45,150	128,277	488,960	4,887
South Dakota	1,426,701	212,178	224,715	318,494	2,182,088	136,349
Tennessee	318,685	259,208	102,813	275,354	956,059	107,036
Texas	2,797,149	676,839	233,681	1,350,391	5,058,060	82,763
Utah	386,641	69,904	37,605	79,965	574,116	2,330
Vermont	12,425	96,450	32,608	50,759	192,242	108
Virginia	173,410	244,764	44,230	227,802	690,206	9,916
Washington	1,039,575	123,340	78,706	312,539	1,554,159	37,985
West Virginia	22,719	36,150	29,840	39,507	128,216	1,259
Wisconsin	1,172,863	792,249	127,659	565,708	2,658,479	46,008
Wyoming	336,591	42,661	25,560	107,006	511,819	1,466
United States	38,343,805	14,015,097	4,422,234	17,444,005	74,225,143	3,508,495

¹Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

Part II
Costs of Production
Major Field Crops, Livestock, and Dairy

Although Input Expenses Were Generally Rising in 1996, Strong Market Prices for Most Commodities Led to Higher Net Returns

Bob McElroy and Staff

Acreage and Prices Generally Up for 1996 Crops

Acres planted to major U.S. crops in 1996 were up an average 5.1 percent from 1995 and the highest in at least the past 10 years. Harvested acreage also rose (4.2 percent) and was also the highest in 10 years. Farmers planted 11.6 percent more corn, 9.4 percent more wheat, and 2.6 percent more soybeans. At the same time, acres planted to cotton, rice, sorghum, and sugar beets fell.

Despite production increases for many crops, prices were generally high in 1996. The overall prices received index for crops was up 12.5 percent for the year.

Input Prices Also Up

The 1996 prices paid index for general inputs was up an average 5.5 percent. Of course, there was wide variation among individual inputs. Fertilizer prices rose only 3 percent, as did chemical prices. Fuel prices, however, jumped nearly 12 percent over the relatively steady prices of the previous 4 years.

How these input prices affected individual crops and livestock commodities depended on each enterprise's input mix. Feed prices were up an average 25 percent, which, with lackluster livestock prices, meant lower net returns to livestock producers. The same higher feed prices meant higher net returns to feed grain producers.

Government Payments

For corn, barley, grain sorghum, rice, and cotton, ERS has been publishing costs and returns both including and excluding the costs of participation in government programs, along with the program payments received. A primary reason for including government program costs and returns in the crop production accounts has been their impact on producer planting decisions. Under Federal legislation prior to 1996, producers had to plant program crops in accordance with certain program provisions in order to qualify for payments. This meant that the planted acreage of a program crop was not only determined by expected market returns to the

crop, but also by returns associated with program participation. Consequently, some resources were committed to production of a program commodity due to returns associated with program participation, not expected market returns.

Provisions of the 1996 Farm Act eliminated the requirement that program crops be planted in order to qualify for program payments. Target prices and deficiency payments were replaced with fixed annual payments, while basic, Findley, and announced loan rates were replaced with marketing assistance loans. There are no longer mandatory acreage reduction or paid land diversion provisions and, therefore, no direct cost of program participation. The new legislation means that producers are free to make planting decisions in response to market forces, and resources are not held in the production of a program crop simply because of program provisions.

Because government payments are not directly associated with the production of any specific commodity, ERS did not develop cost and return data estimates that included government program effects for program crops for the 1996 calendar year.

New Survey Data

New survey data for grain sorghum, peanuts, and burley tobacco are underlying the 1995 and 1996 estimates for those crops. In addition to the new data, the accounting framework and methodology for burley tobacco has been changed to reflect that of other field crops. Next year, two final commodities, flue-cured tobacco and cow-calf production, will be brought into methodological consistency with the other commodities for which cost-of-production estimates are made. New analyses are also available electronically for oats, sorghum, and peanuts. These short reports (titled *Farm Business Economic Indicators Updates*) provide preliminary analyses of the production systems used in growing these crops. The reports can be found on the ERS website at <http://www.econ.ag.gov/briefing/fbe> in the publications section.

Unique Market Conditions Resulted in Record Returns

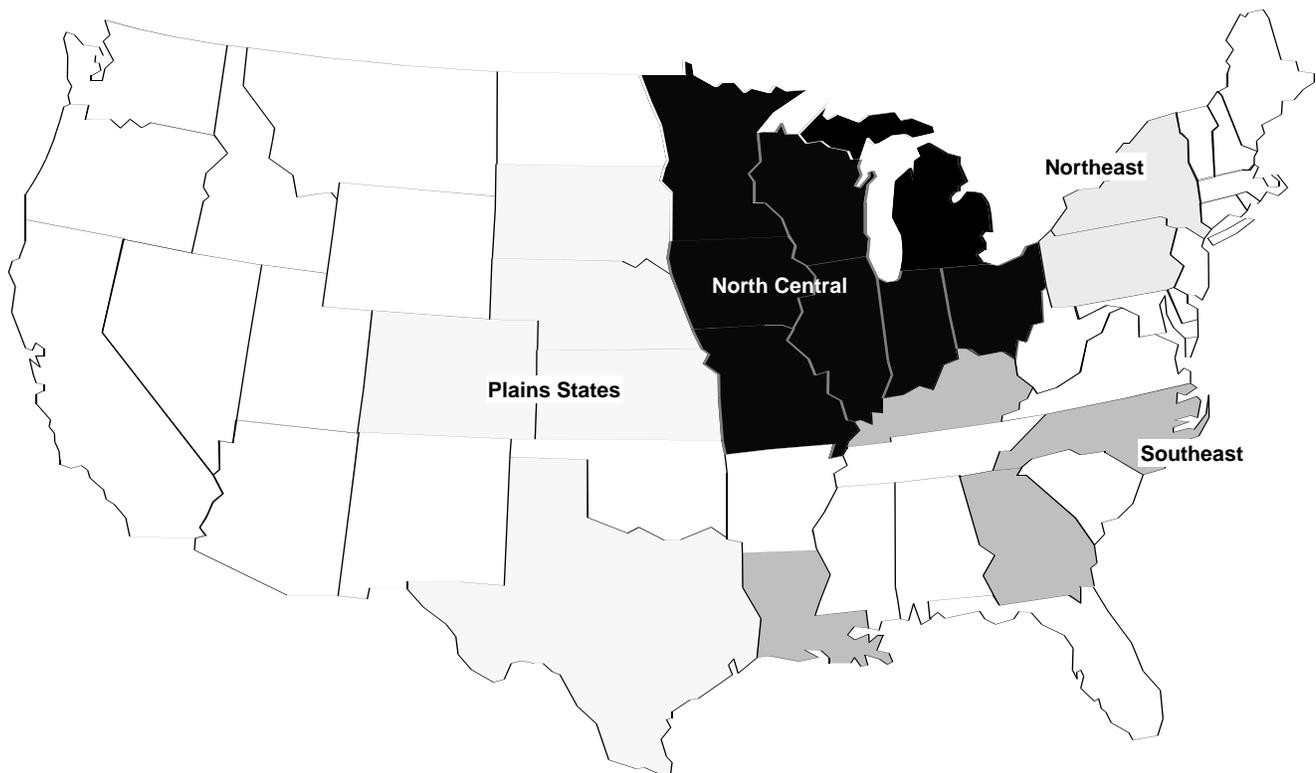
Unique market conditions in 1996 led to record returns to corn production. The average corn yield improved to about 5 percent above the previous 5-year average. Despite higher yields, corn prices remained near \$3 per bushel at harvest. The combination of relatively high prices and yields pushed the value of corn at harvest to a record high of \$389 per acre. Average returns above cash costs, at \$166 per acre, were also the highest reported by USDA since tracking began in 1975. Residual returns to management and risk (\$22 per acre) were positive for the first time since 1980. Record returns to corn production in 1996, coupled with only a modest rise in costs, provided incentives for expanded acreage, but lower prices late in 1996 dampened expectations for 1997.

Returns to corn production in 1996 improved from 1995 in all major production regions as prices and yields were up across most of the Nation. Corn growers in the Southeast and Plains States benefited the most from better market conditions. The harvest price for corn in the Southeast was \$3.43 per bushel, up more than 50 cents from 1995, while cash costs per

bushel changed little and economic costs were only 8 cents per bushel higher. The resulting cash returns of \$168 per acre and returns above economic costs of \$37 are record highs for the Southeast since 1975. In the Plains States, the average corn yield was up about 25 bushels per acre from 1995. Cash costs increased about \$16 per acre and economic costs were \$37 higher, but per bushel costs fell about 25 cents. Cash returns in the Plains States nearly doubled and residual returns moved above \$40, also a record high.

Stronger prices and yields also improved returns in the North Central region, where most corn is grown. With the harvest price up nearly 20 cents per bushel and yields up about 10 bushels, cash returns moved above \$160 per acre, a record high, and residual returns were \$16. Costs per acre moved 8-10 percent higher in the North Central region, but higher yields left per bushel costs mostly unchanged. Price and yield conditions were not as favorable in the Northeast, where greater yields led to lower prices. Still, cash and economic returns to corn production improved as the increased value of corn more than offset a modest cost increase.

Figure 8-1
Corn production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-1A—Corn production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		Southeast		North Central		Plains States	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Corn	321.98	388.73	231.85	252.73	306.63	385.29	318.44	370.55	346.36	453.78
Total, gross value of production	321.98	388.73	231.85	252.73	306.63	385.29	318.44	370.55	346.36	453.78
Cash expenses:										
Seed	23.98	24.06	22.56	22.59	20.24	20.96	23.80	23.76	25.33	25.63
Fertilizer, lime, and gypsum	55.85	56.13	48.36	49.28	64.60	66.52	54.82	55.97	58.31	55.45
Chemicals	26.34	26.82	25.66	26.06	30.25	31.34	26.59	27.18	25.09	25.08
Custom operations ¹	9.65	9.76	9.07	9.03	3.84	4.23	8.97	9.10	12.60	12.67
Fuel, lube, and electricity	17.92	21.14	10.51	13.07	13.34	15.38	11.26	13.98	38.55	42.67
Repairs	15.91	17.00	12.70	13.78	19.12	19.53	14.91	15.98	18.63	19.69
Hired labor	8.03	8.37	13.00	13.46	17.87	18.11	6.47	6.77	10.09	10.23
Other variable cash expenses ²	0.45	0.49	0.00	0.00	0.00	0.00	0.00	0.00	1.84	1.98
Total, variable cash expenses	158.13	163.77	141.86	147.27	169.26	176.07	146.82	152.74	190.44	193.40
General farm overhead	12.46	15.04	6.36	7.63	11.31	14.37	11.55	13.89	16.05	19.21
Taxes and insurance	20.01	22.70	22.14	23.49	13.01	15.84	19.63	21.95	21.96	25.90
Interest	16.73	21.14	2.88	3.65	9.02	10.55	15.26	19.27	24.09	30.42
Total, fixed cash expenses	49.20	58.88	31.38	34.77	33.34	40.76	46.44	55.11	62.10	75.53
Total, cash expenses	207.33	222.65	173.24	182.04	202.60	216.83	193.26	207.85	252.54	268.93
Gross value of production less cash expenses	114.65	166.08	58.61	70.69	104.03	168.46	125.18	162.70	93.82	184.85
Harvest-period price (dollars/bu)	2.78	2.99	3.19	3.06	2.91	3.43	2.74	2.92	2.83	3.07
Yield (bu/planted acre)	115.82	130.01	72.68	82.59	105.37	112.33	116.22	126.90	122.39	147.81

Table 8-1B—Corn production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		Southeast		North Central		Plains States	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Corn	321.98	388.73	231.85	252.73	306.63	385.29	318.44	370.55	346.36	453.78
Total, gross value of production	321.98	388.73	231.85	252.73	306.63	385.29	318.44	370.55	346.36	453.78
Economic (full ownership) costs:										
Variable cash expenses	158.13	163.77	141.86	147.27	169.26	176.07	146.82	152.74	190.44	193.40
General farm overhead	12.46	15.04	6.36	7.63	11.31	14.37	11.55	13.89	16.05	19.21
Taxes and insurance	20.01	22.70	22.14	23.49	13.01	15.84	19.63	21.95	21.96	25.90
Capital replacement	32.71	34.95	19.16	20.76	29.79	31.07	27.74	29.82	49.12	51.40
Operating capital	4.42	4.17	3.97	3.75	4.73	4.48	4.10	3.89	5.32	4.92
Other nonland capital	13.18	13.35	10.58	10.85	11.73	11.72	11.59	11.82	18.28	18.11
Land	67.28	85.48	25.84	25.88	59.03	74.06	75.26	92.55	51.82	76.03
Unpaid labor	25.23	26.78	31.30	32.69	19.28	21.05	26.24	28.03	22.56	23.75
Total, economic (full ownership) costs	333.42	366.24	261.21	272.32	318.14	348.66	322.93	354.69	375.55	412.72
Residual returns to management and risk	-11.44	22.49	-29.36	-19.59	-11.51	36.63	-4.49	15.86	-29.19	41.06
Harvest-period price (dollars/bu)	2.78	2.99	3.19	3.06	2.91	3.43	2.74	2.92	2.83	3.07
Yield (bu/planted acre)	115.82	130.01	72.68	82.59	105.37	112.33	116.22	126.90	122.39	147.81

¹Cost of custom operations, technical services, and commercial drying.²Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

Prices and Yields Higher in 1996; Record Returns

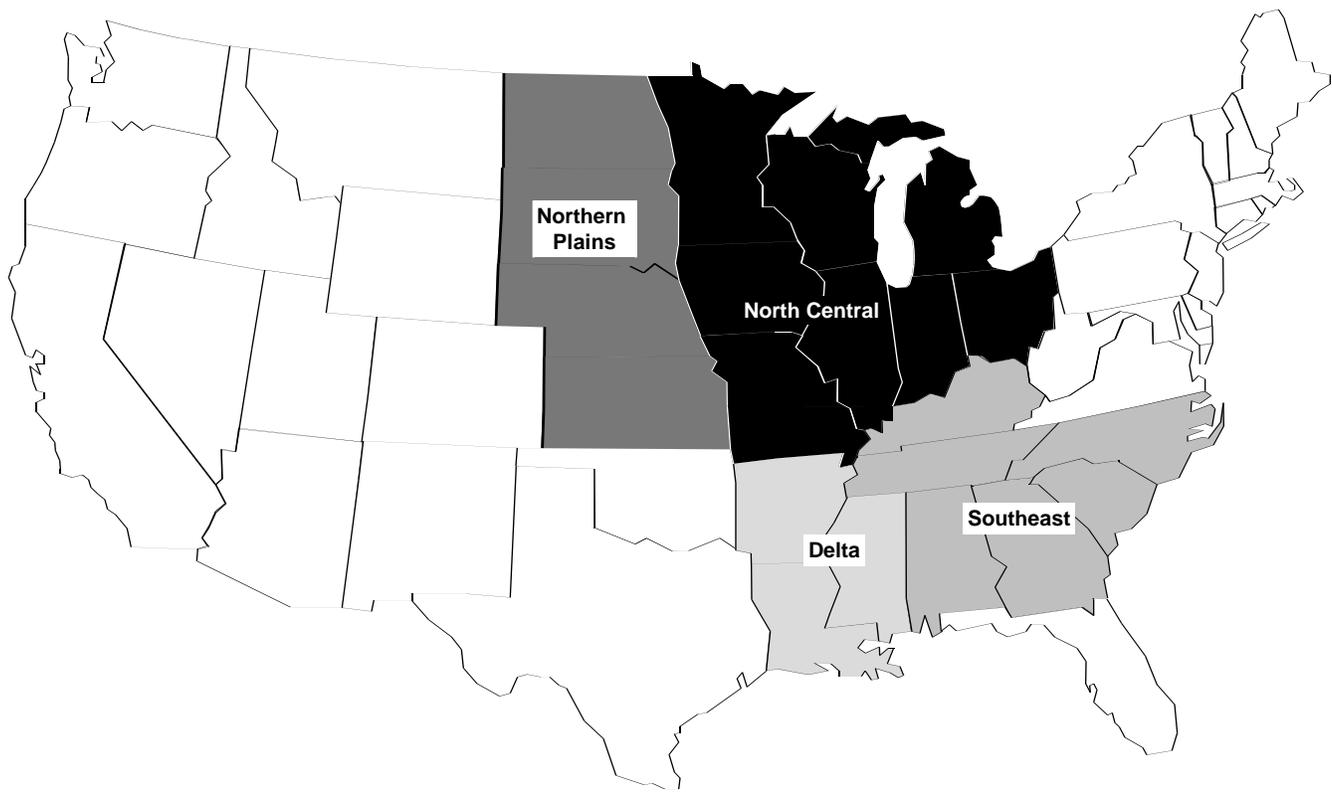
Both prices and yields of soybeans moved higher in 1996, producing record returns. Soybean prices rose above \$8 per bushel in 1996 and settled near \$7 at harvest, up about 10 percent from 1995. Yields were somewhat above the previous 5-year average. Higher prices and yields sent the value of soybeans at harvest above \$250 per acre, a record high. Likewise, average returns above cash costs, at \$130 per acre, were the highest reported since USDA began tracking in 1975. Residual returns to management and risk were the highest reported since 1979. While costs showed only a modest increase, the record returns to soybean production in 1996 suggested incentives for expanded 1997 acreage that were spurred by rising prices in early 1997.

Returns to soybean production improved across the Nation from 1995 to 1996 as a unique set of market conditions led to higher prices and yields in all major production regions. Cash and economic returns in southern production areas were the highest since 1988. Among growers in the Delta, cash returns improved more than 100 percent from 1995 to 1996 and residual returns moved more than \$50 per acre higher. The 1996 harvest price rose about 60 cents from 1995, while a 35-percent increase in yield was the major

force behind a \$1-per-bushel drop in costs. Improved conditions in the Southeast were somewhat less impressive as the harvest price was 40 cents higher and yields were up only about 2 bushels. However, both cash and economic costs in 1996 were down about 20 cents per bushel from 1995.

Stronger soybean prices also improved the 1996 outlook for soybean production in the northern regions, while 20-percent higher yields in the Northern Plains further brightened the situation. In the Northern Plains, the 1996 soybean harvest price was up about 75 cents a bushel from 1995 while production costs were down about 50 cents. The net result was a rise in cash returns of about \$1.25 per bushel and residual returns of nearly \$1.40 per bushel. Unlike in other regions, soybean production costs per bushel in the North Central region were up in 1996 as yields were only slightly higher than in 1995. Cash cost increases were spread evenly among most production items, while economic costs were up due mainly to higher land values. However, the 1996 soybean harvest price was nearly 70 cents higher than in 1995, more than offsetting any cost increases and resulting in the highest cash and economic returns to soybean production since the late 1970's.

Figure 8-2
Soybean production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1990 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-2A—Soybean production cash costs and returns, 1995-96

Item	United States		North Central		Northern Plains		Southeast		Delta	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production:										
Soybeans	218.54	256.36	236.69	265.55	182.50	254.69	184.39	214.76	156.63	232.47
Total, gross value of production	218.54	256.36	236.69	265.55	182.50	254.69	184.39	214.76	156.63	232.47
Cash expenses:										
Seed	13.32	15.01	14.37	16.11	11.84	13.43	11.09	12.19	9.12	11.43
Fertilizer, lime, and gypsum	9.76	10.45	9.19	9.72	3.32	3.66	24.96	26.85	6.14	6.33
Chemicals	24.82	24.95	25.99	26.16	19.79	19.95	23.57	23.5	23.96	24.16
Custom operations ¹	3.65	3.65	4.04	4.04	2.44	2.41	2.29	2.38	3.81	3.88
Fuel, lube, and electricity	7.64	9.45	6.68	8.22	10.12	12.51	8.80	10.55	10.71	14.06
Repairs	10.68	10.04	10.01	9.24	11.27	11.03	12.23	11.65	13.72	13.51
Hired labor	6.01	6.40	4.63	5.02	5.45	5.66	11.59	11.76	12.20	13.00
Other variable cash expenses ²	0.05	0.05	0.03	0.03	0.22	0.22	0.00	0.00	0.00	0.00
Total, variable cash expenses	75.93	80.00	74.94	78.54	64.45	68.87	94.53	98.88	79.66	86.37
General farm overhead	11.58	11.44	12.69	12.59	9.72	9.51	8.12	7.96	8.97	8.83
Taxes and insurance	18.64	19.71	21.43	22.66	15.14	15.99	11.17	12.06	8.63	9.35
Interest	15.02	15.65	17.01	17.79	13.66	14.23	7.06	7.30	9.41	9.80
Total, fixed cash expenses	45.24	46.80	51.13	53.04	38.52	39.73	26.35	27.32	27.01	27.98
Total, cash expenses	121.17	126.80	126.07	131.58	102.97	108.60	120.88	126.20	106.67	114.35
Gross value of production less cash expenses	97.37	129.56	110.62	133.97	79.53	146.09	63.51	88.56	49.96	118.12
Harvest-period price (dollars/bu)	6.26	6.91	6.25	6.91	5.96	6.72	6.52	6.95	6.62	7.26
Yield (bu/planted acre)	34.91	37.10	37.87	38.43	30.62	37.90	28.28	30.90	23.66	32.02

Table 8-2B—Soybean production economic costs and returns, 1995-96

Item	United States		North Central		Northern Plains		Southeast		Delta	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production:										
Soybeans	218.54	256.36	236.69	265.55	182.50	254.69	184.39	214.76	156.63	232.47
Total, gross value of production	218.54	256.36	236.69	265.55	182.50	254.69	184.39	214.76	156.63	232.47
Economic (full ownership) costs:										
Variable cash expenses	75.93	80.00	74.94	78.54	64.45	68.87	94.53	98.88	79.66	86.37
General farm overhead	11.58	11.44	12.69	12.59	9.72	9.51	8.12	7.96	8.97	8.83
Taxes and insurance	18.64	19.71	21.43	22.66	15.14	15.99	11.17	12.06	8.63	9.35
Capital replacement	23.25	21.88	21.50	19.84	29.49	28.77	23.39	22.26	28.77	28.39
Operating capital	2.12	2.04	2.10	2.00	1.80	1.75	2.64	2.51	2.23	2.20
Other nonland capital	13.62	12.13	13.45	11.78	14.91	13.79	12.51	11.42	14.45	13.53
Land	55.30	65.63	62.29	71.53	48.39	69.28	31.38	37.10	33.92	44.29
Unpaid labor	19.35	20.94	20.37	22.25	20.73	21.70	15.75	16.63	12.56	13.60
Total, economic (full ownership) costs	219.79	233.77	228.77	241.19	204.63	229.66	199.49	208.82	189.19	206.56
Residual returns to management and risk	-1.25	22.59	7.92	24.36	-22.13	25.03	-15.10	5.94	-32.56	25.91
Harvest-period price (dollars/bu)	6.26	6.91	6.25	6.91	5.96	6.72	6.52	6.95	6.62	7.26
Yield (bu/planted acre)	34.91	37.10	37.87	38.43	30.62	37.90	28.28	30.90	23.66	32.02

¹Cost of custom operations and technical services.²Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

Returns for 1996 Difficult To Interpret Due to Regional Yield Differences

For 1996, U.S. farmers planted wheat on 75.6 million acres and produced 2,285 million bushels, up 4.7 percent from 1995. However, harvested area and production of winter wheat dropped because of a harsh winter over major growing areas and drought conditions, especially in the Central States and Southwest. The area and production of spring wheat, including durum, increased because of mostly good to fair growing conditions until summer followed by dry weather at harvest time.

Nationally, wheat yields averaged 30.4 bushels per planted acre, down about 5 percent from 1995. Regionally, wheat yields declined 15 percent in the Central and Southern Plains and 25 percent in the North Central region. Yields were up some 6-17 percent in other regions.

Total cash costs of producing wheat rose 2.3 percent in 1996, while economic costs rose 6.2 percent. On a per bushel basis, total economic costs rose to \$5.94, up 11.6 percent from 1995, primarily due to the rise in production costs and low yields.

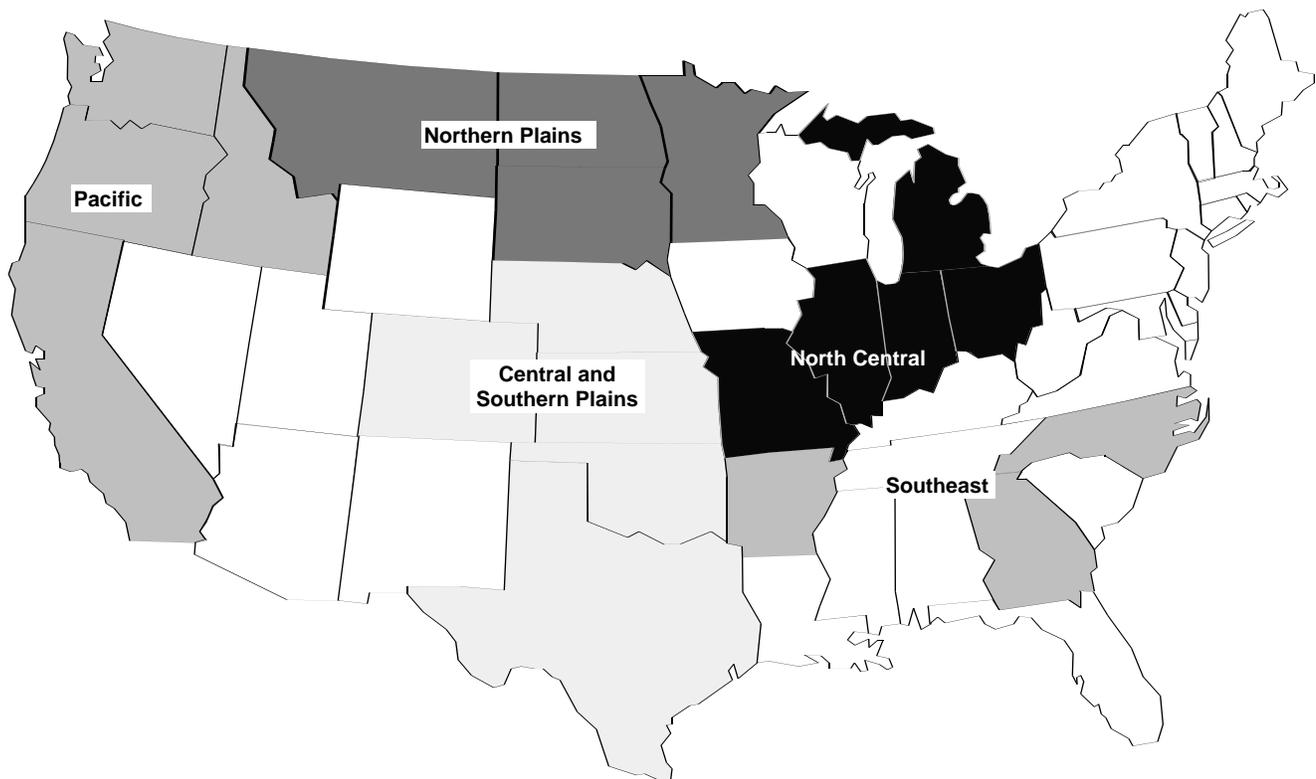
At the regional level, per acre cash costs rose from very little in the Central and Southern Plains to 6.5 percent in the Pacific region. Most of the cost increase was due to a rise in fertilizer and fuel prices and

higher wage rates. The Pacific region had the highest increase in per acre cash costs, primarily due to an intensive use of inputs on irrigated land. However, on a per bushel basis, cash costs increased in the North Central region and in the Central and Southern Plains, while they declined in other wheat-producing regions.

Total economic costs per bushel ranged from \$3.61 in the Southeast to \$7.60 in the Central and Southern Plains. Per bushel costs declined only in the Southeast, primarily due to a good wheat crop. The North Central region had the highest increase in per bushel economic costs, followed by the Central and Southern Plains.

Wheat returns over cash expenses are difficult to interpret due to regional yield differences. National average yields fell slightly, and net cash returns rose to \$50 an acre, up \$20 from 1995 due to offsetting higher wheat prices. Wheat farmers with a cost structure near the national average would have benefited from the rising returns. On the other hand, those farmers whose wheat crop was damaged and who had yields substantially below the national average would not have seen such high returns. Gross value of wheat production at harvest time covered cash costs plus capital replacement in every region. Total economic costs were covered only in the Southeast region.

Figure 8-3
Wheat production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1994 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-3A—Wheat production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		North Central		Southeast		Northern Plains		Central and Southern Plains		Pacific	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>												
Gross value of production (excluding direct government payments):												
Wheat	130.23	146.94	206.39	141.90	146.99	219.66	120.59	143.56	95.56	105.09	254.75	332.18
Wheat straw	4.44	5.35	23.96	33.59	5.20	4.55	0.51	0.60	4.44	4.43	1.80	2.08
Total, gross value of production	134.67	152.29	230.35	175.49	152.19	224.21	121.10	144.16	100.00	109.52	256.55	334.26
Cash expenses:												
Seed	7.57	9.26	14.09	16.59	13.20	14.71	7.44	8.93	5.30	6.79	10.06	11.94
Fertilizer, lime, and gypsum	20.89	21.11	43.66	45.32	36.91	38.21	15.34	15.63	17.37	16.72	32.88	34.74
Chemicals	5.86	6.23	0.90	0.94	6.93	7.42	7.98	8.27	2.90	3.06	15.10	16.00
Custom operations	5.96	5.35	4.75	4.04	6.91	7.35	2.59	2.72	9.08	7.79	7.06	7.90
Fuel, lube, and electricity	8.47	9.71	5.28	5.77	5.20	6.51	5.99	7.12	9.44	10.95	19.45	22.34
Repairs	12.20	13.26	9.13	9.45	9.54	11.57	12.51	14.09	11.53	12.03	18.12	19.60
Hired labor	4.01	4.69	1.93	2.06	7.21	7.92	2.30	2.39	4.15	5.18	11.76	15.35
Other variable cash expenses ¹	0.38	0.40	0.74	0.78	0.31	0.28	0.03	0.03	0.06	0.07	3.07	3.38
Total, variable cash expenses	65.34	70.01	80.48	84.95	86.21	93.97	54.18	59.18	59.83	62.59	117.50	131.25
General farm overhead	7.00	5.80	10.34	8.64	5.13	4.31	5.45	4.54	6.74	5.60	12.45	10.37
Taxes and insurance	10.08	10.02	15.29	15.38	12.04	11.68	8.83	8.67	8.46	8.36	17.23	17.68
Interest	10.94	9.63	10.47	9.22	5.97	5.29	10.68	9.39	10.85	9.54	14.93	13.31
Total, fixed cash expenses	28.02	25.45	36.10	33.24	23.14	21.28	24.96	22.60	26.05	23.50	44.61	41.36
Total, cash expenses	93.36	95.46	116.58	118.19	109.35	115.25	79.14	81.78	85.88	86.09	162.11	172.61
Gross value of production less cash expenses	41.31	56.83	113.77	57.30	42.84	108.96	41.96	62.38	14.12	23.43	94.44	161.65
Harvest-period price (dollars/bu)	4.08	4.84	3.78	4.16	3.44	4.41	4.31	4.86	4.02	5.21	4.19	4.81
Yield (bu/planted acre)	31.92	30.36	54.60	34.11	42.73	49.81	27.98	29.54	23.77	20.17	60.80	69.06

Table 8-3B—Wheat production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		North Central		Southeast		Northern Plains		Central and Southern Plains		Pacific	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>												
Gross value of production (excluding direct government payments):												
Wheat	130.23	146.94	206.39	141.90	146.99	219.66	120.59	143.56	95.56	105.09	254.75	332.18
Wheat straw	4.44	5.35	23.96	33.59	5.20	4.55	0.51	0.60	4.44	4.43	1.80	2.08
Total, gross value of production	134.67	152.29	230.35	175.49	152.19	224.21	121.10	144.16	100.00	109.52	256.55	334.26
Economic (full ownership) costs:												
Variable cash expenses	65.34	70.01	80.48	84.95	86.21	93.97	54.18	59.18	59.83	62.59	117.50	131.25
General farm overhead	7.00	5.80	10.34	8.64	5.13	4.31	5.45	4.54	6.74	5.60	12.45	10.37
Taxes and insurance	10.08	10.02	15.29	15.38	12.04	11.68	8.83	8.67	8.46	8.36	17.23	17.68
Capital replacement	22.81	24.95	20.27	21.00	18.64	22.78	24.24	27.29	19.77	20.65	35.08	38.21
Operating capital	1.83	1.78	2.25	2.16	2.41	2.39	1.51	1.51	1.67	1.59	3.28	3.34
Other nonland capital	11.95	12.16	11.40	11.30	10.25	11.93	13.51	14.49	10.18	9.60	14.58	13.40
Land	42.51	46.40	50.62	44.38	20.00	25.90	43.02	46.35	32.29	34.36	89.16	111.33
Unpaid labor	8.51	9.36	8.81	9.38	6.41	6.75	5.92	6.34	9.90	10.66	13.91	19.20
Total, economic (full ownership) costs	170.03	180.48	199.46	197.19	161.09	179.71	156.66	168.37	148.84	153.41	303.19	344.78
Residual returns to management and risk	-35.36	-28.19	30.89	-21.70	-8.90	44.50	-35.56	-24.21	-48.84	-43.89	-46.64	-10.52
Harvest-period price (dollars/bu)	4.08	4.84	3.78	4.16	3.44	4.41	4.31	4.86	4.02	5.21	4.19	4.81
Yield (bu/planted acre)	31.92	30.36	54.60	34.11	42.73	49.81	27.98	29.54	23.77	20.17	60.80	69.06

¹Cost of purchased irrigation water and baling.

Source: Economic Research Service, U.S. Department of Agriculture.

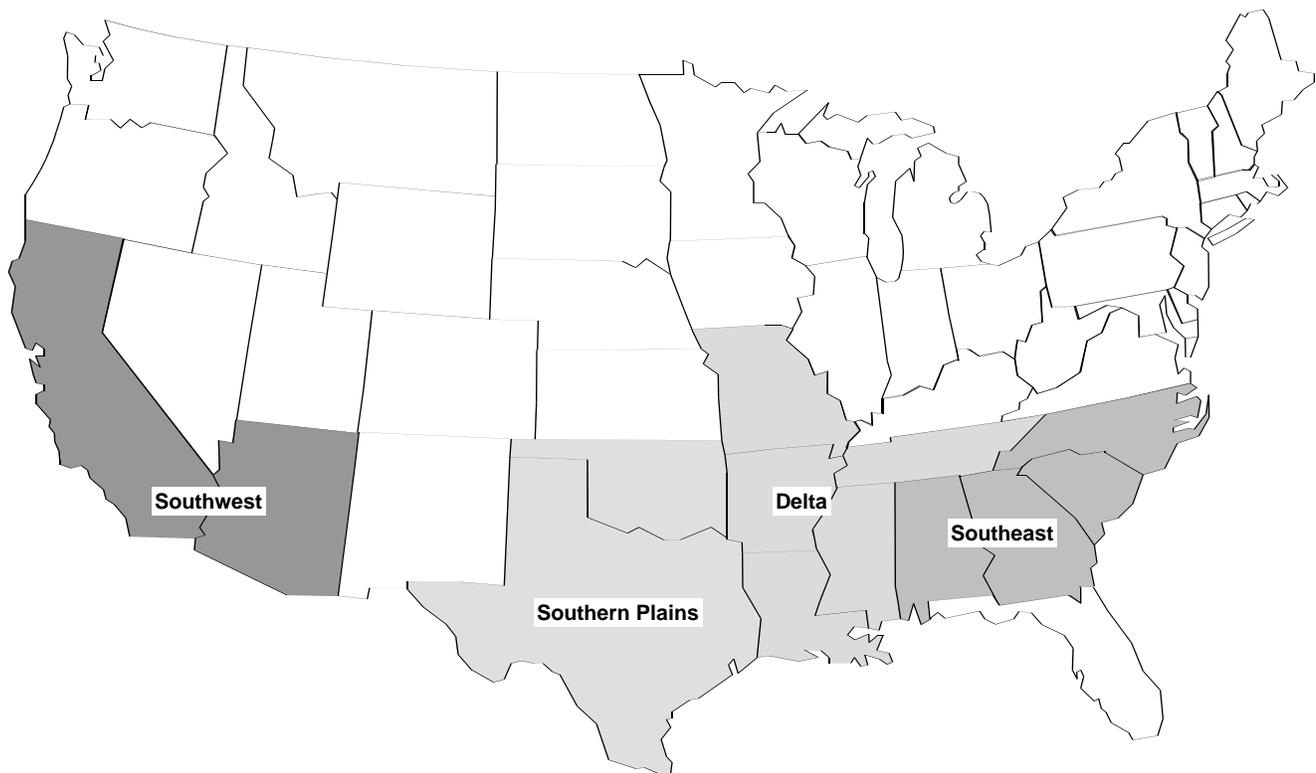
Variable Cash Expenses Remained Relatively Unchanged in 1996

Upland cotton planted acreage totaled 14.4 million acres, down 14 percent from 1995, and harvested acreage, at 12.6 million acres, was 20 percent less than 1995. Cotton lint production for 1996 was about 5 percent above 1995. In addition, continued strong worldwide demand for cotton has resulted in continued higher market prices. The Southern Plains continued to have weather-related problems at critical times during the production period, which resulted in the abandonment of about 30 percent of the planted acreage and a 2-percent reduction in production from 1995. Although the acreage planted to cotton was 14 percent lower in the Southeast in 1996 than in the previous year, cotton

production was up by 21 percent (compared with a 2-percent increase in the Delta, a 2-percent decrease in the Southern Plains, and a 3-percent increase in the Southwest).

Total variable cash expenses for the United States remained relatively unchanged from 1995 to 1996 on a per acre basis. Overall, the prices that cotton producers paid for their purchased inputs were relatively stable from 1995 to 1996. Regional land costs, which were influenced by the higher value of cotton, were slightly higher.

Figure 8-4
Cotton production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-4A—Cotton production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Southeast		Delta		Southern Plains		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production excluding (direct government payments):										
Cotton	339.85	383.84	406.13	536.61	467.18	566.19	192.40	189.19	589.34	634.70
Cotton seed	48.94	70.73	57.98	93.97	61.12	72.40	26.36	38.99	109.19	151.51
Total, gross value of production	388.79	454.57	464.11	630.58	528.30	638.59	218.76	228.18	698.53	786.21
Cash expenses:										
Seed	15.67	16.75	9.99	10.14	9.64	9.36	19.44	23.83	15.20	15.99
Fertilizer	44.89	46.53	52.71	56.61	56.19	57.44	29.58	29.34	75.44	81.67
Chemicals	50.43	50.98	82.44	82.36	85.08	88.03	21.04	20.76	54.56	57.71
Custom operations	21.69	20.92	17.37	16.98	25.18	24.78	9.80	9.44	74.26	69.83
Fuel, lube, and electricity	38.31	35.67	27.38	24.76	32.33	30.17	41.74	39.33	52.00	48.98
Repairs	28.59	29.18	34.95	35.68	42.38	43.25	34.95	35.68	40.80	41.64
Hired labor	39.91	41.86	22.58	23.75	46.91	50.75	22.92	23.69	121.54	124.45
Ginning	53.13	50.84	60.49	57.88	66.23	63.37	33.11	31.68	103.03	98.59
Other variable cash expenses	5.79	6.05	0.00	0.00	0.01	0.01	0.27	0.29	51.96	54.34
Total, variable cash expenses	298.41	298.78	307.91	308.16	363.95	367.16	212.85	214.04	588.79	593.20
General farm overhead	18.20	16.52	14.10	12.80	18.82	17.08	15.59	14.15	34.36	31.18
Taxes and insurance	23.33	23.31	19.15	19.08	22.67	22.50	18.91	18.92	49.77	49.39
Interest	20.48	19.60	24.37	23.32	27.03	25.87	10.85	10.38	43.37	41.51
Total, fixed cash expenses	62.01	59.43	57.62	55.20	68.52	65.45	45.35	43.45	127.50	122.08
Total, cash expenses	360.42	358.21	365.53	363.36	432.47	432.61	258.20	257.49	716.29	715.28
Gross value of production less cash expenses	28.37	96.36	98.58	267.22	95.83	205.98	-39.44	-29.31	-17.76	70.93
Harvest-period price (dollars/lb)	0.70	0.65	0.75	0.75	0.75	0.72	0.67	0.60	0.70	0.63
Yield (lb/planted acre)	485.50	590.53	541.51	715.48	622.90	786.38	287.16	315.31	841.92	1007.46

Table 8-4B—Cotton production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Southeast		Delta		Southern Plains		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Cotton	339.85	383.84	406.13	536.61	467.18	566.19	192.40	189.19	589.34	634.70
Cotton seed	48.94	70.73	57.98	93.97	61.12	72.40	26.36	38.99	109.19	151.51
Total, gross value of production	388.79	454.57	464.11	630.58	528.30	638.59	218.76	228.18	698.53	786.21
Economic (full ownership) costs:										
Variable cash expenses	298.41	298.78	307.91	308.16	363.95	367.16	212.85	214.04	588.79	593.20
General farm overhead	18.20	16.52	14.10	12.80	18.82	17.08	15.59	14.15	34.36	31.18
Taxes and insurance	23.33	23.31	19.15	19.08	22.67	22.50	18.91	18.92	49.77	49.39
Capital replacement	54.79	55.93	66.33	67.70	77.87	79.48	33.39	32.19	82.13	83.83
Operating capital	8.34	7.60	8.61	7.84	10.17	8.51	5.95	5.45	16.46	15.10
Other nonland capital	19.66	20.06	22.50	22.96	23.28	23.76	14.62	14.93	30.03	30.65
Land	45.61	47.80	34.17	36.02	77.33	81.02	26.16	27.33	76.85	81.04
Unpaid labor	33.73	30.58	22.94	24.13	21.88	23.67	28.57	29.53	47.63	48.77
Total, economic (full ownership) costs	502.07	500.58	495.71	498.69	615.97	623.18	356.04	356.54	926.02	933.16
Residual returns to management and risk	-113.28	-46.01	-31.60	131.89	-87.68	15.41	-137.28	-128.36	-227.49	-146.95
Harvest-period price (dollars/lb)	0.70	0.65	0.75	0.75	0.75	0.72	0.67	0.60	0.70	0.63
Yield (lb/planted acre)	485.50	590.53	541.51	715.48	622.90	786.38	287.16	315.31	841.92	1007.46

Source: Economic Research Service, U.S. Department of Agriculture.

Tight Stocks Boosted Prices, Improved Net Returns

Rice plantings were down in 1996, but yields were record or near-record across the southern producing States. California yields were down slightly due to disease, weed, and weather problems. Steady production and lower beginning stocks kept supplies from growing. Continued tight stocks, especially for high-quality long-grain rice, helped to boost prices and improve net returns. Increased returns substantially exceeded increased costs in most areas. Costs were up mainly due to higher seed, fertilizer, and fuel prices.

Two regions (Arkansas non-Delta and Mississippi River Delta) of the four rice-growing areas had positive residual returns to management and risk in 1996.

These two regions had the least negative residual returns in 1995.

Harvest-month prices improved the greatest in the Gulf Coast region, helping that region to show the most improvement in residual returns from 1995 to 1996. In 1995, the Gulf Coast region (first region to harvest rice) had already sold most of its crop before prices escalated dramatically when Japan unexpectedly started buying rice on the world market. A decline in the medium grain (type preferred by Japan) price premium in 1996 had the most impact in California, where most of the U.S. medium-grain rice is grown.

Figure 8-5
Rice production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-5A—Rice production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Arkansas (non-Delta)		Mississippi River Delta		Gulf Coast ¹		California	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Rice	488.66	592.70	502.15	630.01	472.69	588.32	413.13	543.08	680.60	744.96
Total, gross value of production	488.66	592.70	502.15	630.01	472.69	588.32	413.13	543.08	680.60	744.96
Cash expenses:										
Seed	19.23	22.38	17.08	20.67	18.46	20.36	19.71	22.92	23.44	27.27
Fertilizer	54.96	56.10	50.26	52.09	51.70	50.14	58.25	58.43	62.94	67.61
Chemicals	65.11	67.86	62.12	64.74	63.61	66.30	59.91	62.44	79.82	83.20
Custom operations ²	45.15	45.57	34.48	34.45	34.43	34.21	40.35	40.59	84.92	87.16
Fuel, lube, and electricity	57.42	73.03	56.35	77.04	60.26	77.36	55.05	69.03	59.18	65.96
Repairs	28.51	28.69	28.01	27.91	25.84	25.54	27.64	27.77	34.01	35.37
Hired labor	32.52	35.81	29.32	32.29	28.62	31.52	34.06	37.50	41.07	45.23
Drying ³	28.37	30.14	24.19	27.27	11.53	12.76	27.40	29.80	58.49	57.65
Other variable cash expenses ⁴	11.40	12.03	1.06	1.12	0.01	0.01	20.20	21.31	32.05	33.82
Total, variable cash expenses	342.67	371.61	302.87	337.58	294.46	318.20	342.57	369.79	475.92	503.27
General farm overhead	29.91	28.00	18.04	16.89	16.50	15.44	22.65	21.20	78.69	73.66
Taxes and insurance	29.30	31.88	23.36	25.53	19.91	21.56	25.78	28.20	56.91	61.63
Interest	26.77	26.42	26.33	25.98	23.04	22.73	24.04	23.72	36.16	35.69
Total, fixed cash expenses	85.98	86.30	67.73	68.40	59.45	59.73	72.47	73.12	171.76	170.98
Total, cash expenses	428.65	457.91	370.60	405.98	353.91	377.93	415.04	442.91	647.68	674.25
Gross value of production less cash expenses	60.01	134.79	131.55	224.03	118.78	210.39	-1.91	100.17	32.92	70.71
Harvest-period price (dollars/cwt)	8.77	9.75	8.85	9.85	8.67	9.75	8.05	9.75	8.87	9.85
Yield (cwt/planted acre)	55.72	60.79	56.74	63.96	54.52	60.34	51.32	55.70	76.73	75.63

Table 8-5B—Rice production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Arkansas (non-Delta)		Mississippi River Delta		Gulf Coast ¹		California	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Rice	488.66	592.70	502.15	630.01	472.69	588.32	413.13	543.08	680.60	744.96
Total, gross value of production	488.66	592.70	502.15	630.01	472.69	588.32	413.13	543.08	680.60	744.96
Economic (full ownership) costs:										
Variable cash expenses	342.67	371.61	302.87	337.58	294.46	318.20	342.57	369.79	475.92	503.27
General farm overhead	29.91	28.00	18.04	16.89	16.50	15.44	22.65	21.20	78.69	73.66
Taxes and insurance	29.30	31.88	23.36	25.53	19.91	21.56	25.78	28.20	56.91	61.63
Capital replacement	58.87	59.25	56.44	56.23	51.96	51.34	58.74	58.99	72.15	75.04
Operating capital	9.59	9.47	8.46	8.59	8.23	8.10	9.63	9.46	13.30	12.81
Other nonland capital	21.08	19.98	22.61	21.43	20.17	19.11	20.93	19.84	19.64	18.62
Land	113.49	125.26	106.15	114.31	106.70	110.97	79.66	86.91	183.41	217.60
Unpaid labor	25.26	26.89	26.01	28.64	16.61	17.57	30.62	32.23	27.11	27.82
Total, economic (full ownership) costs	630.17	672.34	563.94	609.20	534.54	562.29	590.58	626.62	927.13	990.45
Residual returns to management and risk	-141.51	-79.64	-61.79	20.81	-61.85	26.03	-177.45	-83.55	-246.53	-245.49
Harvest-period price (dollars/cwt)	8.77	9.75	8.85	9.85	8.67	9.75	8.05	9.75	8.87	9.85
Yield (cwt/planted acre)	55.72	60.79	56.74	63.96	54.52	60.34	51.32	55.70	76.73	75.63

¹Gulf Coast includes southwest Louisiana, upper and lower Texas coast.

²Cost of custom operations and technical services.

³Commercial drying only, beginning in 1992.

⁴Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

Net Returns to Management Negative in 1996 but Considerably Improved

Area planted to sorghum rose almost 40 percent from 1995 to 13 million acres in 1996. Production also rose 75 percent to just over 800 million bushels. Because of higher production, the average harvest-month price fell from \$2.75 per bushel in 1995 to \$2.70 in 1996. The average yield rose about 21 percent, and gross value and returns rose as well. Variable cash expenses rose somewhat from 1995, but fixed cash and economic costs were relatively unchanged. Although residual returns to management and risk remained negative, they were considerably improved over previous years.

Area planted to sorghum in 1996 rose dramatically from a year earlier in Kansas and Texas. Kansas growers planted 4.8 million acres, up from 3.3 million in 1995, while Texas growers seeded 4.4 million acres, up from 2.7 million. Production nearly doubled in Kansas—rising from 173.6 million bushels in 1995 to 354 million in 1996. Production in Texas rose from 129.6 million bushels to 182.4 million. Oklahoma's crop increased from 12.8 million bushels to 28.9 million, and Nebraska's rose from 56.8 million to 97.8

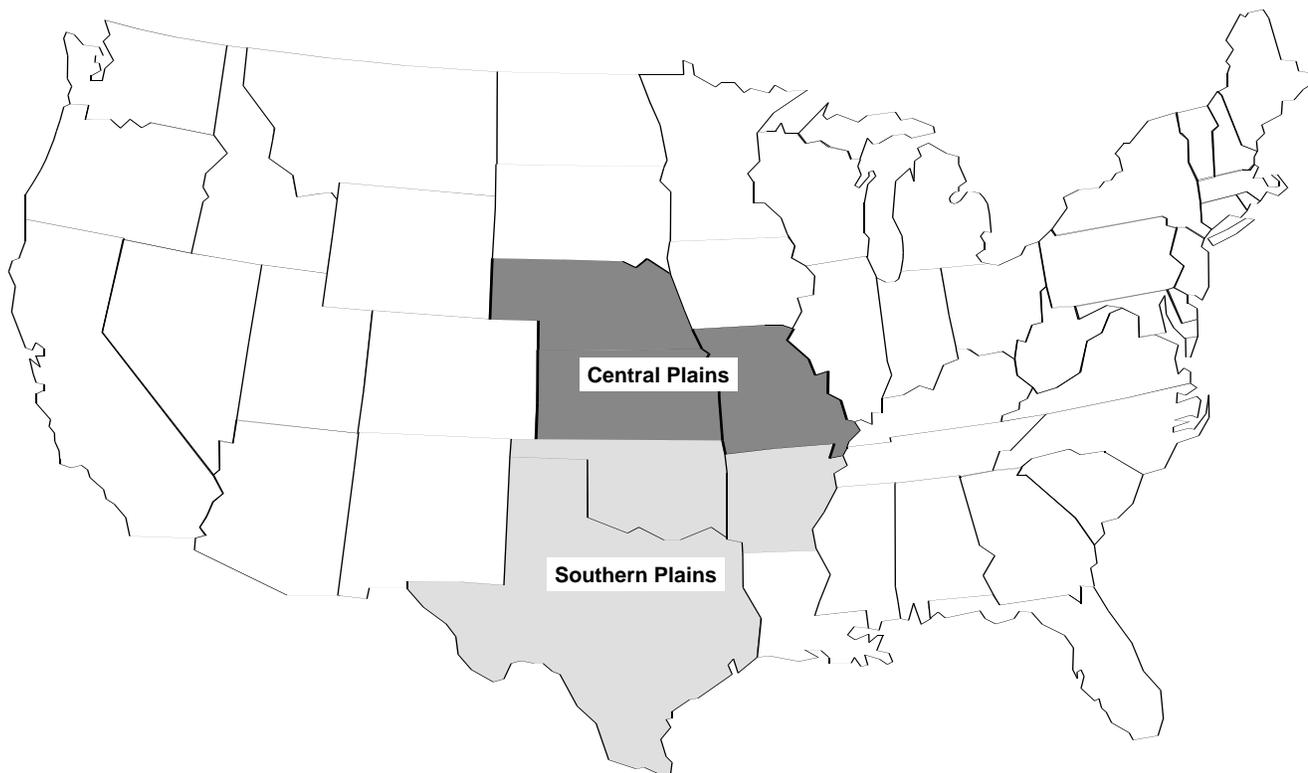
million bushels. Yields in Kansas, Missouri, and Nebraska returned to their higher 1994 levels.

Regionally, yields were slightly lower in the Southern Plains and considerably higher in the Central Plains than in 1995. Cash production costs were higher in both regions in 1996. Costs for fertilizer, chemicals, fuel, and repairs accounted for 81 percent of variable costs in the Central Plains and 77 percent in the Southern Plains.

Variable costs in 1996 varied from 96 cents per bushel in the Central Plains to \$2.10 in the Southern Plains, where irrigation was used more frequently. Cash costs varied from \$1.36 per bushel in the Central Plains to \$2.63 in the Southern Plains.

Although vastly improved from 1995, residual returns to management and risk remained negative in the Southern Plains. Residual returns in the Central Plains were positive in 1996 due to the higher gross value of production.

Figure 8-6
Grain sorghum production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1995 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-6A—Grain sorghum production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Southern Plains		Central Plains	
	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>						
Gross value of production (excluding direct government payments):						
Sorghum	141.87	170.91	154.58	193.37	123.05	141.80
Total, gross value of production	141.87	170.91	154.58	193.37	123.05	141.80
Cash expenses:						
Seed	5.42	6.00	5.12	5.07	5.90	7.21
Fertilizer, lime, and gypsum	19.19	17.99	19.56	18.06	18.62	17.90
Chemicals	12.63	12.28	14.87	14.66	9.15	9.21
Custom operations ¹	5.07	5.26	4.36	4.69	6.19	5.99
Fuel, lube, and electricity	14.13	17.95	8.61	12.31	22.74	25.24
Repairs	15.65	16.95	14.74	16.77	17.05	17.18
Hired labor	4.99	5.42	3.82	4.16	6.81	7.03
Other variable cash expenses ²	0.00	0.00	0.00	0.00	0.00	0.00
Total, variable cash expenses	77.08	81.85	71.08	75.72	86.46	89.76
General farm overhead	9.13	8.88	10.18	10.07	7.48	7.35
Taxes and insurance	9.13	9.27	10.21	10.25	7.43	8.00
Interest	9.30	9.61	10.89	11.57	6.83	7.07
Total, fixed cash expenses	27.56	27.76	31.28	31.89	21.74	22.42
Total, cash expenses	104.64	109.61	102.36	107.61	108.20	112.18
Gross value of production less cash expenses	37.23	61.30	52.22	85.76	14.85	29.62
Harvest-period price (dollars/bu)	2.75	2.70	2.81	2.44	2.66	3.32
Yield (bu/planted acre)	51.59	63.30	55.01	79.25	46.26	42.71

Table 8-6B—Grain sorghum production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Southern Plains		Central Plains	
	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>						
Gross value of production (excluding direct government payments):						
Sorghum	141.87	170.91	154.58	193.37	123.05	141.80
Total, gross value of production	141.87	170.91	154.58	193.37	123.05	141.80
Economic (full ownership) costs:						
Variable cash expenses	77.08	81.85	71.08	75.72	86.46	89.76
General farm overhead	9.13	8.88	10.18	10.07	7.48	7.35
Taxes and insurance	9.13	9.27	10.21	10.25	7.43	8.00
Capital replacement	28.73	31.13	27.45	31.28	30.72	30.93
Operating capital	2.16	2.08	1.99	1.93	2.42	2.28
Other nonland capital	12.65	12.98	12.18	13.12	13.39	12.79
Land	31.81	25.25	36.39	30.52	24.66	18.44
Unpaid labor	9.33	9.89	9.01	9.62	9.82	10.24
Total, economic (full ownership) costs	180.02	181.33	178.49	182.51	182.38	179.79
Residual returns to management and risk	-38.15	-10.42	-23.91	10.86	-59.33	-37.99
Harvest-period price (dollars/bu)	2.75	2.70	2.81	2.44	2.66	3.32
Yield (bu/planted acre)	51.59	63.30	55.01	79.25	46.26	42.71

¹Cost of custom operations and technical services.

²Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

At the National Level, Yields and Prices Were Higher in 1996

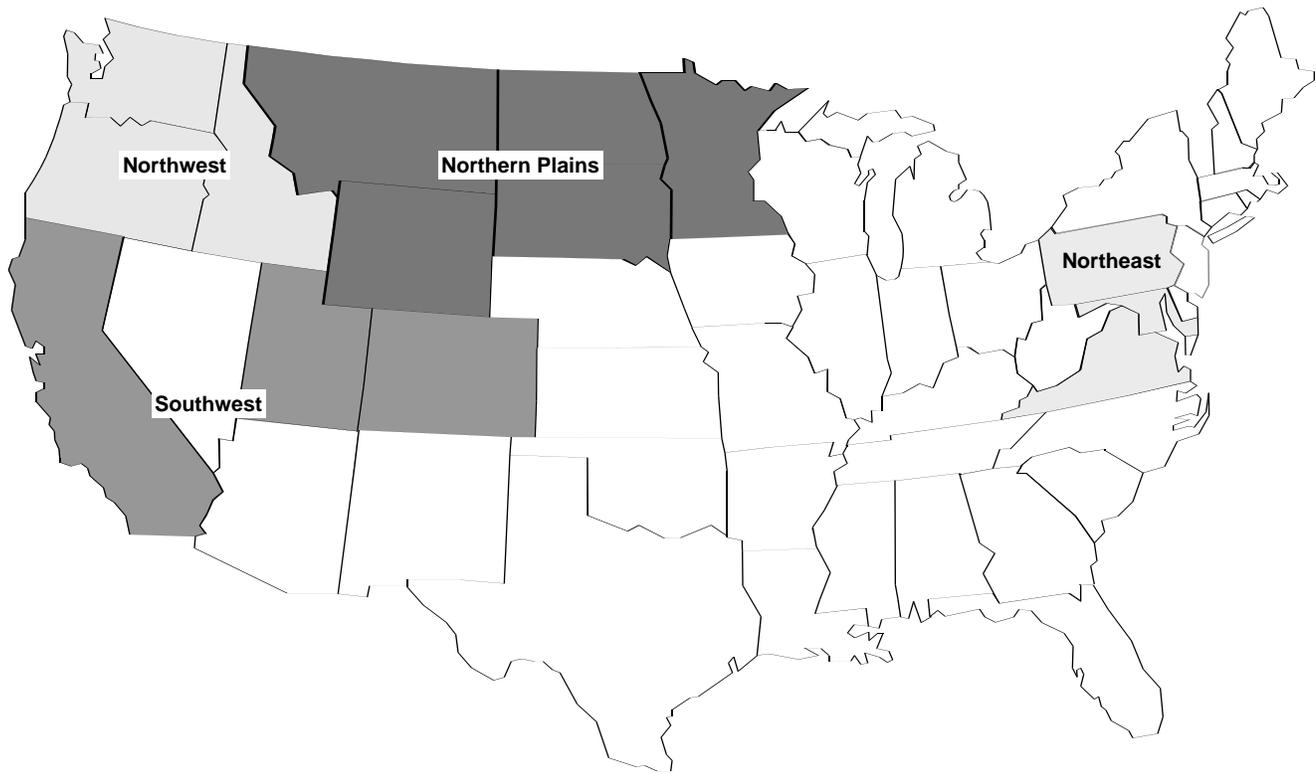
In 1996, U.S. farmers planted barley on 7.14 million acres and produced about 396 million bushels, 10 percent above the 1995 crop. The area harvested for grain was 6.79 million acres, 8 percent more than in 1995 and the largest since 1992 when 7.29 million acres were harvested. At the national level, yields and prices were higher in 1996.

Rising input prices increased the U.S. cash costs for producing barley by 7 percent to \$117 per acre, while economic costs rose 8 percent to \$203 per acre. The value of the 1996 barley crop at harvest time increased 19 percent from 1995 due to higher yields and prices. With an average 1996 yield of 54.5 bushels per planted acre, barley growers would have covered all cash costs at \$2.14 per bushel and total economic costs at \$3.72. With an average 1996 harvest-period price of \$2.97,

growers with costs near the national average would have needed yields of 68.2 bushels or more to cover total economic costs.

Regionally, cash costs rose 2-9 percent from 1995, ranging from \$99 to \$171 per acre. While regional economic costs rose 1-11 percent, they ranged from \$175 in the Northern Plains to \$287 in the Northwest. The Northwest region had the highest costs because of irrigation-related expenses. Although the Northern Plains (a major barley-producing region) had the lowest per acre costs, the price received at harvest (\$2.82 per bushel) was not enough to cover total economic costs; a price of \$3.55 would have covered all the costs. Break-even yields in this region were estimated to be 62 bushels per planted acre, 13 bushels more than actual yields.

Figure 8-7
Barley production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-7A—Barley production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		Northern Plains		Northwest		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Barley	134.65	161.72	136.41	205.75	109.22	139.00	217.00	222.41	168.00	198.69
Barley straw	4.26	4.21	39.90	53.21	1.87	1.89	4.72	3.80	7.43	5.51
Total, gross value of production	138.91	165.93	176.31	258.96	111.09	140.89	221.72	226.21	175.43	204.20
Cash expenses:										
Seed	7.44	9.50	11.91	11.77	5.72	7.63	11.61	14.65	11.04	12.49
Fertilizer, lime, and gypsum	20.50	21.06	39.66	40.91	16.77	17.11	32.62	33.24	15.59	16.81
Chemicals	9.12	9.50	3.55	3.46	7.69	7.86	16.33	17.05	7.40	7.26
Custom operations	4.88	4.70	4.83	4.81	3.46	3.41	7.87	7.04	10.93	10.77
Fuel, lube, and electricity	12.08	13.15	7.37	8.59	7.42	8.85	28.37	26.64	17.97	19.86
Repairs	13.80	15.79	12.34	14.06	13.04	15.21	17.10	18.37	13.59	15.19
Hired labor	4.99	5.24	4.47	4.64	3.80	3.98	8.48	8.54	7.80	8.66
Other variable cash expenses ¹	1.86	1.96	1.86	2.00	0.86	0.98	4.61	4.43	4.44	4.73
Total, variable cash expenses	74.67	80.90	85.99	90.24	58.76	65.03	126.99	129.96	88.76	95.77
General farm overhead	7.98	7.95	7.04	7.32	7.27	7.28	9.58	9.06	11.28	11.69
Taxes and insurance	13.20	14.27	12.97	14.09	11.87	12.86	15.04	15.89	21.33	23.64
Interest	12.79	13.38	4.41	4.70	13.01	13.7	16.06	15.84	6.88	7.44
Total, fixed cash expenses	33.97	35.60	24.42	26.11	32.15	33.84	40.68	40.79	39.49	42.77
Total, cash expenses	108.64	116.50	110.41	116.35	90.91	98.87	167.67	170.75	128.25	138.54
Gross value of production less cash expenses	30.27	49.43	65.90	142.61	20.18	42.02	54.05	55.46	47.18	65.66
Harvest-period price (dollars/bu)	2.53	2.97	1.71	3.06	2.47	2.82	2.75	3.18	2.77	3.55
Yield (bu/planted acre)	53.22	54.45	79.77	67.24	44.22	49.29	78.91	69.94	60.65	55.97

Table 8-7B—Barley production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		Northern Plains		Northwest		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>										
Gross value of production (excluding direct government payments):										
Barley	134.65	161.72	136.41	205.75	109.22	139.00	217.00	222.41	168.00	198.69
Barley straw	4.26	4.21	39.90	53.21	1.87	1.89	4.72	3.80	7.43	5.51
Total, gross value of production	138.91	165.93	176.31	258.96	111.09	140.89	221.72	226.21	175.43	204.20
Economic (full ownership) costs:										
Variable cash expenses	74.67	80.90	85.99	90.24	58.76	65.03	126.99	129.96	88.76	95.77
General farm overhead	7.98	7.95	7.04	7.32	7.27	7.28	9.58	9.06	11.28	11.69
Taxes and insurance	13.20	14.27	12.97	14.09	11.87	12.86	15.04	15.89	21.33	23.64
Capital replacement	28.30	32.17	23.04	26.28	26.15	30.38	36.37	38.47	31.17	34.85
Operating capital	2.09	2.06	2.40	2.29	1.65	1.66	3.55	3.31	2.48	2.44
Other nonland capital	14.89	16.09	12.28	13.33	14.89	16.43	15.60	15.61	14.44	15.42
Land	39.37	42.13	20.55	19.58	32.45	35.96	65.64	64.25	49.07	51.29
Unpaid labor	6.64	6.99	12.90	13.68	5.09	5.38	10.57	10.82	8.30	9.08
Total, economic (full ownership) costs	187.14	202.56	177.17	186.81	158.13	174.98	283.34	287.37	226.83	244.18
Residual returns to management and risk	-48.23	-36.63	-0.86	72.15	-47.04	-34.09	-61.62	-61.16	-51.40	-39.98
Harvest-period price (dollars/bu)	2.53	2.97	1.71	3.06	2.47	2.82	2.75	3.18	2.77	3.55
Yield (bu/planted acre)	53.22	54.45	79.77	67.24	44.22	49.29	78.91	69.94	60.65	55.97

¹Cost of purchased irrigation water and baling.

Source: Economic Research Service, U.S. Department of Agriculture.

Net Returns More Than Tripled; Residual Returns Positive

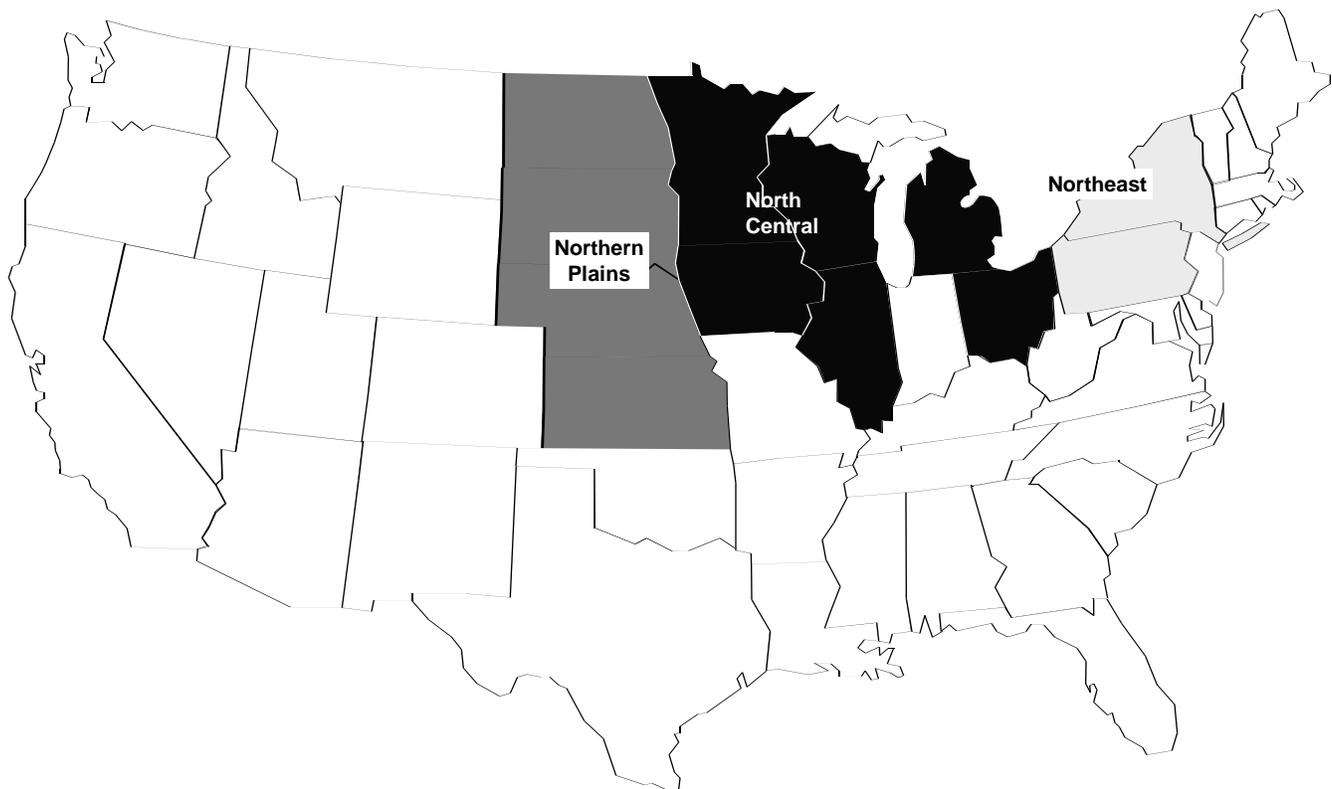
Production continued to slide in 1996 as seeded area fell 26 percent and yields per planted acre increased just 6 percent. As a result, oat prices were up substantially in 1996. Higher values for both grain and straw boosted the total value of production. With value of production strongly exceeding a rise in costs, net returns more than tripled and residual returns to management and risk moved from negative to positive on a national level. Much of the increase in costs was due to higher prices for seed and fuel.

The Northeast region continued to have the highest value of production in 1996 because of higher oat

prices. Value of production remained lowest in the Northern Plains because of lower grain prices and lower straw value. Improved yields in the North Central region and Northern Plains compared with the Northeast allowed these regions to move closer to the Northeast in 1996 value of production.

Costs continued to be highest in the Northeast and lowest in the Northern Plains. Lower costs and higher yields in the Northern Plains and North Central regions compared with the Northeast moved these areas ahead of the Northeast in residual returns to management and risk in 1996.

Figure 8-8
Oat production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1994 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-8A—Oat production cash costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		North Central		Northern Plains	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>								
Gross value of production (excluding direct government payments):								
Oats	72.87	128.26	86.00	125.37	71.40	119.06	59.55	115.37
Oat straw	27.51	32.03	36.17	42.11	37.98	44.21	7.66	8.92
Total, gross value of production	100.38	160.29	122.17	167.48	109.38	163.27	67.21	124.29
Cash expenses:								
Seed	7.46	8.81	12.14	15.13	8.91	9.67	4.59	6.21
Fertilizer, lime, and gypsum	15.76	17.05	22.44	30.38	20.61	20.12	8.64	10.25
Chemicals	1.72	1.82	2.73	2.88	1.19	1.26	2.18	2.3
Custom operations ¹	4.30	4.33	4.89	4.91	5.69	5.75	2.42	2.42
Fuel, lube, and electricity	6.38	7.41	10.24	12.38	4.08	4.19	7.57	9.78
Repairs	10.31	9.63	13.70	11.51	8.03	6.50	11.61	12.35
Hired labor	1.76	1.93	2.84	3.12	1.58	1.73	0.32	0.35
Other variable cash expenses ²	1.02	1.19	1.25	1.46	1.40	1.63	0.34	0.40
Total, variable cash expenses	48.71	52.17	70.23	81.77	51.49	50.85	37.67	44.06
General farm overhead	5.65	5.29	8.42	7.88	4.83	4.52	3.43	3.21
Taxes and insurance	13.88	14.85	21.00	22.10	19.00	20.15	7.00	7.75
Interest	5.57	5.49	5.34	5.27	6.22	6.14	5.17	5.10
Total, fixed cash expenses	25.10	25.63	34.76	35.25	30.05	30.81	15.60	16.06
Total, cash expenses	73.81	77.80	104.99	117.02	81.54	81.66	53.27	60.12
Gross value of production less cash expenses	26.57	82.49	17.18	50.46	27.84	81.61	13.94	64.17
Harvest-period price (dollars/bu)	1.30	2.16	1.52	2.32	1.28	2.02	1.15	1.92
Yield (bu/planted acre)	56.05	59.38	56.58	54.04	55.78	58.94	51.78	60.09

Table 8-8B—Oat production economic costs and returns, excluding direct government payments, 1995-96

Item	United States		Northeast		North Central		Northern Plains	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>								
Gross value of production (excluding direct government payments):								
Oats	72.87	128.26	86.00	125.37	71.40	119.06	59.55	115.37
Oat straw	27.51	32.03	36.17	42.11	37.98	44.21	7.66	8.92
Total, gross value of production	100.38	160.29	122.17	167.48	109.38	163.27	67.21	124.29
Economic (full ownership) costs:								
Variable cash expenses	48.71	52.17	70.23	81.77	51.49	50.85	37.67	44.06
General farm overhead	5.65	5.29	8.42	7.88	4.83	4.52	3.43	3.21
Taxes and insurance	13.88	14.85	21.00	22.10	19.00	20.15	7.00	7.75
Capital replacement	18.58	17.33	21.24	17.84	14.94	12.10	20.62	21.92
Operating capital	0.70	1.22	1.10	2.08	0.80	1.29	0.59	1.12
Nonland capital	11.43	10.82	12.78	12.09	11.07	10.48	11.80	11.17
Land	26.72	27.83	5.76	6.00	35.61	37.08	21.55	22.44
Unpaid labor	14.30	15.85	19.05	20.91	18.66	19.94	8.58	10.27
Total, economic (full ownership) costs	139.97	145.36	159.58	170.67	156.40	156.41	111.24	121.94
Residual returns to management and risk	-39.60	14.93	-37.41	-3.19	-47.02	6.86	-44.03	2.35
Harvest-period price (dollars/bu)	1.30	2.16	1.52	2.32	1.28	2.02	1.15	1.92
Yield (bu/planted acre)	56.05	59.38	56.58	54.04	55.78	58.94	51.78	60.09

¹Cost of custom operations and technical services.²Cost of baling.

Source: Economic Research Service, U.S. Department of Agriculture.

Rising Input Prices Raised Variable Cash Costs

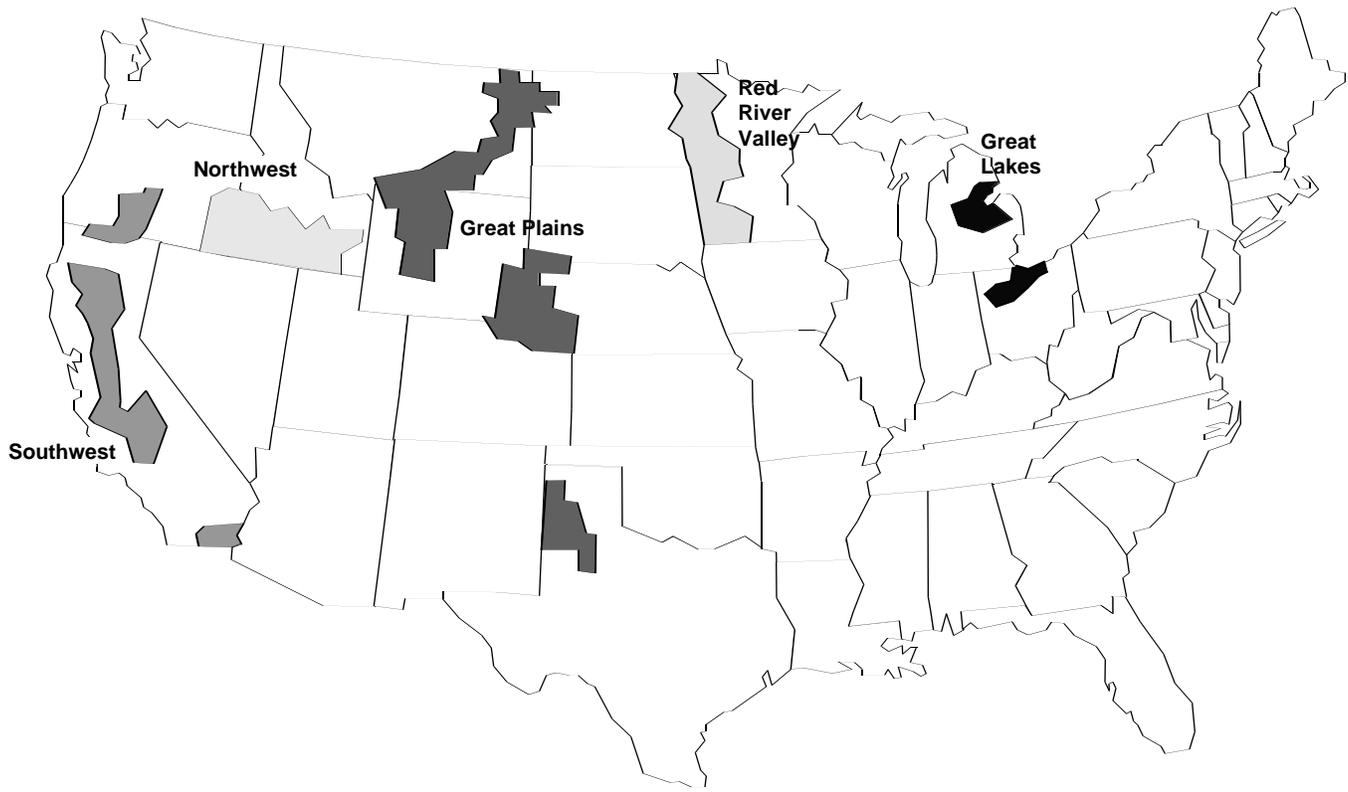
U.S. farmers planted beets on about 1.37 million acres and produced 26.57 million tons in 1996, 5.3 percent below the 1995 harvest. The largest decline in beet area was in Ohio, where planted acres fell 73 percent from 1995 levels to 4,400 acres in 1996. A 20- to 30-percent decline in beet area was reported in Michigan, Nebraska, California, and Texas. Planted acres increased the most in North Dakota, followed by Minnesota and Colorado. North Dakota and Minnesota growers planted beets on 667,600 acres, up 43,600 from 1995 and accounting for nearly half the total U.S. beet area.

The overall 1996 prices paid index for farm production inputs rose an average 5.5 percent from 1995. However, price increases varied among individual inputs. The greatest was for fuel, 11.7 percent, followed by labor, 6.3 percent. Prices for fertilizers and chemicals rose about 3 percent from 1995. Rising input prices led to a 2.3-percent rise in total variable cash costs. In sugar beet production, hired labor, chemicals, and fertilizers were the major cash expens-

es, accounting for about 60 percent of the total variable costs. In 1996, expenses for these major inputs rose an average 3.5 percent from 1995. Regionally, hired labor expenses averaged 20-30 percent of total variable costs. The region most affected by rising wage rates was the Northwest, where the per acre wage bill increased 8.7 percent.

In 1996, U.S. beet yields per planted acre were very similar to those of 1995. However, the influence of weather varied among the beet-producing regions. Yields were slightly higher than in 1995 in all regions except the Great Lakes, where cool summer weather conditions slowed beet development. In the Great Lakes region, beet yields averaged 12.9 tons per planted acre, down 16.6 percent from 1995. On a per ton basis, variable cash costs averaged \$22.26, up 2.5 percent from 1995. Per ton variable costs increased in all regions except the Southwest, where they fell 2.6 percent from 1995. Per ton variable costs increased the most (20.6 percent) in the Great Lakes, primarily due to poor yields.

Figure 8-9
Sugar beet production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production.

Table 8-9A—Sugar beet production cash costs and returns, 1995-96¹

Item	United States		Great Lakes		Red River Valley		Great Plains		Northwest		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>												
Gross value of production:												
Beets	748.52	746.61	527.68	439.68	685.85	698.52	674.09	692.29	993.93	1,017.37	1,191.06	1,246.62
Beet tops	0.75	0.71	0.00	0.00	0.00	0.00	2.80	2.82	0.04	0.04	2.77	2.97
Total, gross value of production	749.27	747.32	527.68	439.68	685.85	698.52	676.89	695.11	993.97	1,017.41	1,193.83	1,249.59
Cash expenses:												
Seed	39.58	41.72	23.48	24.23	41.15	42.91	43.42	45.61	42.97	44.53	44.64	46.73
Fertilizer	70.06	70.89	67.14	70.86	39.90	41.68	88.02	90.51	121.00	125.82	101.69	107.98
Chemicals	71.21	73.91	58.77	60.63	68.13	71.12	74.75	77.24	79.62	82.75	86.14	89.32
Custom operations	40.15	34.71	30.97	24.37	24.12	24.34	23.38	22.64	36.59	36.55	188.03	166.70
Fuel and lubrication	39.05	41.64	21.24	22.77	17.85	21.87	49.03	53.53	93.50	95.71	60.65	65.27
Repairs	38.72	38.45	27.61	24.29	28.93	29.37	51.98	52.52	58.07	58.52	44.72	45.61
Hired labor	99.67	104.52	58.03	61.91	69.33	77.02	103.76	103.60	177.78	193.22	182.25	187.06
Purchased irrigation water	9.10	9.07	0.00	0.00	0.04	0.04	12.21	13.47	28.59	30.18	30.66	32.35
Freight and dirt hauling charges	13.40	16.01	6.22	6.29	9.55	11.93	15.42	18.11	11.80	14.11	45.33	64.52
Miscellaneous	11.53	12.83	4.45	4.16	14.47	16.54	5.47	6.15	5.34	5.62	33.68	37.42
Hauling allowance (-)	-6.87	-8.57	-2.28	-2.31	-9.14	-11.39	-1.88	-1.89	-1.24	-1.48	-24.78	-35.27
Total, variable cash expenses	425.60	435.18	295.63	297.20	304.33	325.43	465.56	481.49	654.02	685.53	793.01	807.69
General farm overhead	38.82	26.30	39.68	27.76	30.43	20.78	44.44	31.37	47.23	32.36	54.00	36.99
Taxes and insurance	43.40	36.14	59.37	51.47	39.36	32.92	40.57	34.34	38.40	32.39	52.58	47.19
Interest	49.70	35.95	52.85	38.78	45.83	33.00	56.97	42.13	51.21	36.99	45.44	32.83
Total, fixed cash expenses	131.92	98.39	151.90	118.01	115.62	86.70	141.98	107.84	136.84	101.74	152.02	117.01
Total, cash expenses	557.52	533.57	447.53	415.21	419.95	412.13	607.54	589.33	790.86	787.27	945.03	924.70
Gross value of production less cash expenses	191.75	213.75	80.15	24.47	265.90	286.39	69.35	105.78	203.11	230.14	248.80	324.89
Season-average price (dollars/ton)	38.19	38.19	34.11	34.11	38.38	38.38	37.14	37.14	40.42	40.42	39.40	39.40
Yield (net tons/planted acre) ²	19.60	19.55	15.47	12.89	17.87	18.20	18.15	18.64	24.59	25.17	30.23	31.64

Table 8-9B—Sugar beet production economic costs and returns, 1995-96¹

Item	United States		Great Lakes		Red River Valley		Great Plains		Northwest		Southwest	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>												
Gross value of production:												
Beets	748.52	746.61	527.68	439.68	685.85	698.52	674.09	692.29	993.93	1,017.37	1,191.06	1,246.62
Beet tops	0.75	0.71	0.00	0.00	0.00	0.00	2.80	2.82	0.04	0.04	2.77	2.97
Total, gross value of production	749.27	747.32	527.68	439.68	685.85	698.52	676.89	695.11	993.97	1,017.41	1,193.83	1,249.59
Economic (full ownership) costs:												
Variable cash expenses	425.60	435.18	295.63	297.20	304.33	325.43	465.56	481.49	654.02	685.53	793.01	807.69
General farm overhead	38.82	26.30	39.68	27.76	30.43	20.78	44.44	31.37	47.23	32.36	54.00	36.99
Taxes and insurance	43.40	36.14	59.37	51.47	39.36	32.92	40.57	34.34	38.40	32.39	52.58	47.19
Capital replacement	51.36	51.14	35.93	31.68	38.00	38.58	68.64	69.18	83.27	83.9	51.73	52.76
Operating capital	11.90	11.08	8.26	7.56	8.51	8.28	13.01	12.25	18.28	17.45	22.16	20.56
Nonland capital	27.47	25.75	25.08	21.1	19.60	18.86	38.12	36.97	38.82	37.07	28.54	27.59
Land	128.22	132.30	96.98	93.37	126.35	131.89	104.22	109.94	171.85	169.94	167.58	183.37
Coop share	25.94	26.24	0.00	0.00	59.31	53.94	0.00	0.00	0.00	0.00	0.00	0.00
Unpaid labor	45.15	48.15	57.22	61.46	33.25	36.95	72.12	76.24	43.96	47.56	28.19	28.93
Total, economic (full ownership) costs	797.86	792.28	618.15	591.60	659.14	667.63	846.68	851.78	1,095.83	1,106.20	1,197.79	1,205.08
Residual returns to management and risk	-48.59	-44.96	-90.47	-151.92	26.71	30.89	-169.79	-156.67	-101.86	-88.79	-3.96	44.51
Season-average price (dollars/ton)	38.19	38.19	34.11	34.11	38.38	38.38	37.14	37.14	40.42	40.42	39.40	39.40
Yield (net tons/planted acre) ²	19.60	19.55	15.47	12.89	17.87	18.20	18.15	18.64	24.59	25.17	30.23	31.64

Note: Sugar beet regions defined as Great Lakes (Michigan, Ohio), Red River Valley (Minnesota, eastern North Dakota), Great Plains (western North Dakota, Montana, Wyoming, Nebraska, Colorado, Texas), Northwest (Idaho, Oregon, except Klamath County), and Southwest (California, Klamath County, OR).

¹1995 estimates are revised. 1996 estimates are preliminary. Sugar beet prices are held at the 1995 level because State-level prices for the 1996 season will not be available before January 1998.

²Yields are those reported in USDA's 1992 Farm Costs and Returns Survey of sugar beet growers adjusted for year-over-year changes as reported by NASS/USDA in *Crop Production*, 1996 Summary, January 1997.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-9C—Beet sugar processing costs per net ton of sugar beets by cost item and area, 1995-96¹

Item	United States		East		West	
	1995	1996	1995	1996	1995	1996
<i>Dollars per net ton</i>						
Variable cash expenses:						
Beet acquisition	3.63	3.66	3.13	3.13	4.19	4.25
Processing	9.24	10.07	10.09	10.82	8.29	9.23
Labor	3.28	3.31	3.20	3.09	3.38	3.54
Fuel	3.55	4.35	3.66	4.49	3.42	4.19
Chemicals	0.75	0.75	0.83	0.83	0.66	0.66
Electricity	0.66	0.64	1.01	0.99	0.27	0.25
Materials and supplies	1.00	1.02	1.38	1.42	0.56	0.58
Repairs and maintenance	3.17	3.12	3.90	3.79	2.35	2.38
Labor benefits	2.12	2.13	2.17	2.10	2.07	2.17
Marketing	9.27	9.50	9.03	9.22	9.53	9.81
Total, variable cash expenses	27.42	28.48	28.31	29.06	26.43	27.83
Fixed expenses:						
Depreciation	1.68	1.59	2.29	2.17	1.00	0.95
Taxes and insurance	0.35	0.34	0.40	0.38	0.30	0.30
Interest	1.38	1.25	1.04	0.94	1.75	1.60
Total, fixed cash expenses	3.41	3.19	3.72	3.50	3.06	2.84
General and administrative	1.43	1.46	1.09	1.08	1.81	1.87
Labor	0.61	0.61	0.63	0.61	0.58	0.61
Nonlabor	0.82	0.85	0.46	0.47	1.23	1.26
Pulp drying and marketing	3.28	3.38	3.54	3.76	3.00	2.96
Total, processing costs	35.54	36.50	36.66	37.40	34.30	35.50
Credits:						
Dried pulp	5.57	5.47	6.62	6.68	4.39	4.12
Molasses	1.77	1.82	2.11	2.22	1.40	1.37
Other	0.45	0.43	0.53	0.52	0.36	0.33
Total, credits	7.79	7.72	9.26	9.42	6.15	5.82

Table 8-9D—Beet sugar processing costs per pound of refined sugar by cost item and area, 1995-96¹

Item	United States		East		West	
	1995	1996	1995	1996	1995	1996
<i>Cents per pound of refined sugar</i>						
Variable cash expenses:						
Beet acquisition	1.243	1.253	1.107	1.109	1.385	1.403
Processing	3.164	3.447	3.572	3.832	2.739	3.047
Labor	1.124	1.132	1.132	1.096	1.116	1.170
Fuel	1.215	1.489	1.297	1.590	1.129	1.384
Chemicals	0.258	0.257	0.295	0.294	0.220	0.219
Electricity	0.226	0.220	0.359	0.351	0.088	0.083
Materials and supplies	0.341	0.350	0.489	0.502	0.186	0.191
Repairs and maintenance	1.084	1.068	1.380	1.341	0.776	0.785
Labor benefits	0.726	0.730	0.768	0.743	0.683	0.715
Marketing	3.173	3.252	3.198	3.265	3.147	3.240
Total, variable cash expenses	9.390	9.751	10.025	10.290	8.730	9.190
Fixed expenses:						
Depreciation	0.576	0.546	0.811	0.769	0.331	0.314
Taxes and insurance	0.120	0.117	0.140	0.136	0.099	0.098
Interest	0.471	0.429	0.367	0.334	0.579	0.527
Total, fixed cash expenses	1.167	1.092	1.319	1.239	1.010	0.939
General and administrative	0.489	0.498	0.386	0.383	0.597	0.618
Labor	0.208	0.209	0.224	0.217	0.192	0.201
Nonlabor	0.281	0.290	0.162	0.167	0.405	0.417
Pulp drying and marketing	1.124	1.157	1.252	1.331	0.991	0.977
Total, processing costs	12.170	12.498	12.981	13.243	11.327	11.724
Credits:						
Dried pulp	1.907	1.872	2.345	2.364	1.451	1.360
Molasses	0.607	0.623	0.746	0.787	0.462	0.453
Other	0.155	0.148	0.189	0.185	0.119	0.109
Total, credits	2.669	2.643	3.280	3.336	2.032	1.922
Recovery per net ton of beets (lbs)	292.000	309.200	282.400	311.000	302.800	307.200

¹Eastern region is Red River Valley and Michigan/Ohio; Western region is all others.

Source: Economic Research Service, U.S. Department of Agriculture.

Variable Cash Growing Expenses Up 3 Percent per Pound

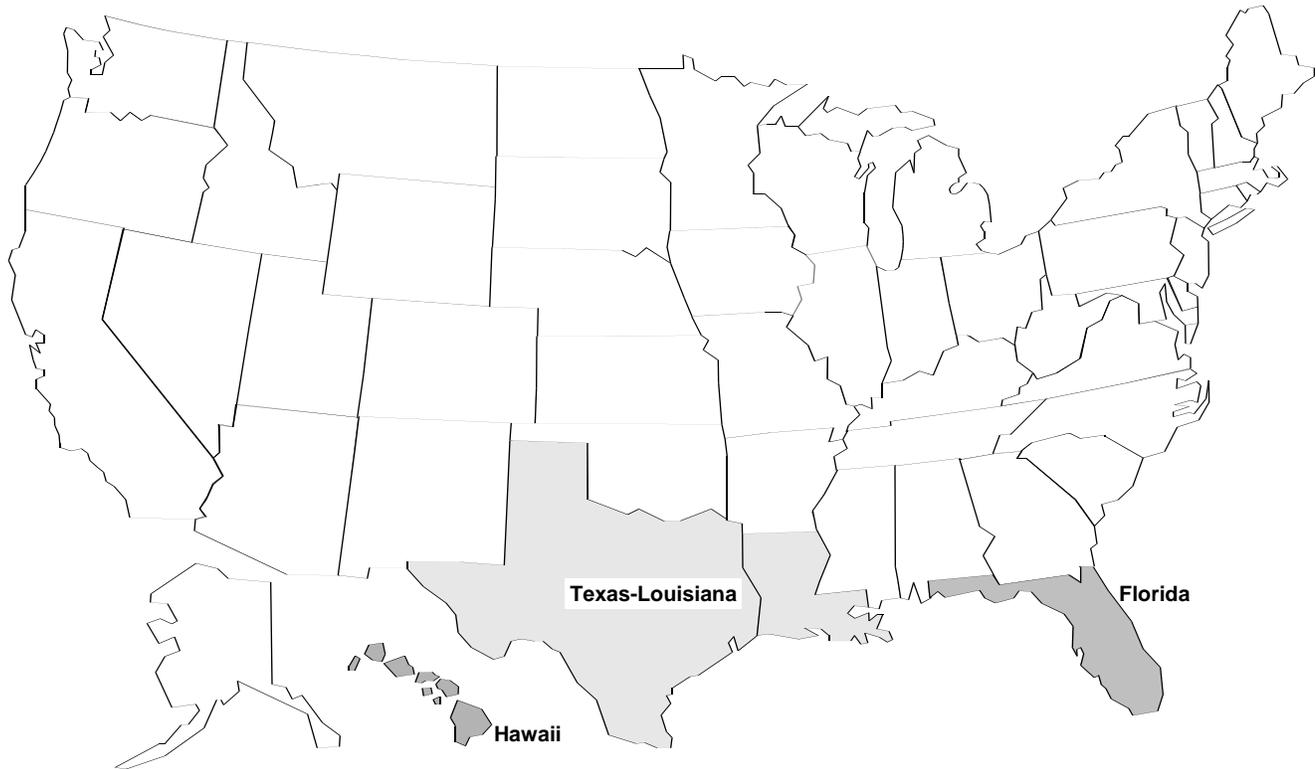
Total cash expenses for growing an acre of sugarcane in 1996 fell 1.1 percent. Because hired labor is the largest single cost component for growing sugarcane, and lower wage rates in 1996 caused labor expenses to fall. Fertilizer expenses also fell as Florida used more potash than nitrogen. Potash prices fell in 1996, while nitrogen prices rose. The higher nitrogen prices caused USDA's fertilizer prices paid index to rise but had a minimal effect on sugarcane growers. It should also be noted that beginning in 1995, the Everglades

Restoration Tax was added to Florida costs, raising U.S. fixed costs.

Cane yields were essentially unchanged at the national level. However, lower 1996 sugar recovery rates were responsible for a 3-percent rise in variable cash growing expenses (measured in costs per pound of sugar produced). Processing the crop cost about 2 percent more than in 1995. Most of this was due to the lower sugar recovery rates.

Figure 8-10

Sugarcane production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-10A—Sugarcane production cash costs and returns, 1995-96

Item	United States		Florida		Hawaii		Louisiana/Texas	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per harvested acre</i>								
Gross value of production ¹	983.24	979.40	1,058.76	1,040.40	2,632.45	2,645.37	708.38	727.01
Cash expenses:								
Seed ²	37.79	38.48	27.95	27.95	—	—	52.30	54.63
Fertilizer	71.18	67.56	61.33	57.99	285.41	294.92	55.83	53.82
Chemicals	66.16	67.70	59.10	61.15	150.01	155.23	63.42	65.66
Custom operations	59.75	61.53	106.65	104.81	62.26	62.57	11.64	12.20
Fuel, lube, and electricity	26.84	29.80	21.67	23.79	83.30	93.51	25.40	29.73
Repairs	95.42	97.01	80.12	80.84	419.62	432.97	72.59	79.00
Hired labor	333.27	323.91	406.54	396.76	1,504.49	1,378.30	119.78	126.81
Purchased irrigation water	5.57	5.77	6.70	7.07	NA	NA	5.07	4.92
Miscellaneous	7.65	7.16	0.56	0.58	104.39	109.14	3.41	3.59
Hauling allowance (-)	8.17	8.77	0.00	0.00	0.00	0.00	17.47	19.69
Total, variable cash expenses	695.45	690.16	770.63	760.95	2,609.48	2,526.63	391.98	410.67
General farm overhead	88.47	82.83	114.79	107.45	339.08	317.38	31.94	29.41
Taxes and insurance ³	48.56	50.72	59.27	59.93	49.50	48.28	37.53	40.51
Interest	13.39	13.03	9.61	9.49	NA	NA	18.83	18.48
Total, fixed cash expenses	150.42	146.58	183.67	176.86	388.58	365.65	88.31	88.39
Total, cash expenses	845.87	836.74	954.31	937.81	2,998.06	2,892.28	480.28	499.06
Gross value of production less cash expenses	137.36	142.66	104.45	102.59	-365.61	-246.91	228.10	227.96
Season-average price (dollars/ton) ¹	29.50	29.50	30.60	30.60	32.30	32.30	26.96	26.96
Yield (net tons/harvested acre)	33.33	33.20	34.60	34.00	81.50	81.90	26.28	26.96

Table 8-10B—Sugarcane production economic costs and returns, 1995-96

Item	United States		Florida		Hawaii		Louisiana/Texas	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per harvested acre</i>								
Gross value of production	983.24	979.40	1,058.76	1,040.40	2,632.45	2,645.37	708.38	727.01
Economic (full ownership) costs:								
Variable cash expenses	695.45	690.16	770.63	760.95	2,609.48	2,526.63	391.98	410.67
General farm overhead	88.47	82.83	114.79	107.45	339.08	317.38	31.94	29.41
Taxes and insurance ³	48.56	50.72	59.27	59.93	49.50	48.28	37.53	40.51
Capital replacement	77.25	78.83	50.77	52.88	184.37	192.06	91.53	96.07
Operating capital	19.44	17.56	21.54	19.37	72.94	64.30	10.96	10.45
Other nonland capital	30.89	29.31	12.01	11.86	107.10	105.74	41.10	40.89
Land	155.04	159.95	180.34	183.54	235.51	241.60	119.72	124.27
Unpaid labor	15.62	15.81	1.39	1.36	NA	NA	31.97	33.96
Total, economic (full ownership) costs	1,130.72	1,125.17	1,210.76	1,197.34	3,597.99	3,495.99	756.72	786.22
Residual returns to management and risk	-147.48	-145.77	-152.00	-156.94	-965.54	-850.62	-48.34	-59.20
Season-average price (dollars/ton) ¹	29.50	29.50	30.60	30.60	32.30	32.30	26.96	26.96
Yield (net tons/harvested acre)	33.33	33.20	34.60	34.00	81.50	81.90	26.28	26.96

— = Not applicable.

NA = Not available.

¹For 1996, sugarcane prices are held at the 1995 level. Prices for the 1996 season will not be available before January 1998.

²Includes cost of purchased seed and home-grown seed.

³Includes Florida Everglades Restoration tax.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-10C—Sugarcane processing costs per net ton by cost item and area, 1995-96

Item	United States		Florida		Hawaii		Louisiana/Texas	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per net ton</i>								
Variable cash expenses:								
Cane transportation	2.78	2.77	3.07	3.08	1.74	1.75	2.78	2.74
Processing	4.85	5.06	4.11	4.26	8.04	8.43	4.67	4.89
Labor	2.41	2.44	2.55	2.62	3.78	3.73	1.72	1.73
Fuel	0.56	0.69	0.23	0.28	1.40	1.72	0.70	0.86
Chemicals	0.29	0.29	0.20	0.19	0.38	0.38	0.40	0.39
Electricity	0.45	0.47	0.12	0.12	1.35	1.45	0.56	0.58
Materials and supplies	1.13	1.16	1.02	1.05	1.13	1.16	1.29	1.32
Repairs and maintenance	3.67	3.63	2.89	2.87	5.51	5.40	4.04	3.99
Labor benefits	1.44	1.45	1.13	1.16	3.11	3.07	1.25	1.26
Marketing	2.48	2.54	2.39	2.46	5.75	5.89	1.40	1.43
Total, variable cash expenses	15.22	15.45	13.59	13.82	24.15	24.53	14.14	14.31
Fixed cash expenses:								
Depreciation	1.35	1.28	0.99	0.94	2.42	2.29	1.45	1.37
Taxes and insurance	0.45	0.47	0.28	0.29	0.41	0.42	0.69	0.71
Interest	0.43	0.39	0.56	0.51	0.00	0.00	0.40	0.36
Total, fixed cash expenses	2.23	2.13	1.83	1.74	2.82	2.72	2.54	2.45
General and administrative:								
Labor	0.75	0.75	0.66	0.68	1.09	1.07	0.73	0.73
Nonlabor	1.30	1.33	1.62	1.67	0.82	0.84	1.03	1.06
Total, general and administrative	2.04	2.09	2.28	2.35	1.90	1.91	1.76	1.80
Total, processing costs	19.49	19.67	17.70	17.91	28.88	29.16	18.45	18.56

Credits:								
Molasses	1.70	1.73	1.61	1.71	1.24	1.11	2.00	1.99
Bagasse	0.08	0.07	0.07	0.07	0.00	0.00	0.11	0.11
Other	0.40	0.34	0.11	0.10	2.56	2.11	0.00	0.00
Total, credits	2.18	2.14	1.78	1.88	3.80	3.22	2.12	2.10

Table 8-10D—Sugarcane processing costs per pound of 96-degree raw sugar by cost item and area, 1995-96

Item	United States		Florida		Hawaii		Louisiana/Texas	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per net ton</i>								
Variable cash expenses:								
Cane transportation	1.175	1.182	1.252	1.265	0.700	0.718	1.254	1.246
Processing	2.045	2.155	1.673	1.750	3.244	3.458	2.104	2.224
Labor	1.017	1.041	1.038	1.076	1.526	1.529	0.776	0.788
Fuel	0.237	0.293	0.092	0.113	0.565	0.705	0.318	0.393
Chemicals	0.124	0.125	0.080	0.080	0.153	0.155	0.178	0.179
Electricity	0.190	0.201	0.049	0.051	0.545	0.595	0.252	0.264
Materials and supplies	0.478	0.495	0.415	0.430	0.455	0.475	0.579	0.600
Repairs and maintenance	1.549	1.545	1.177	1.181	2.223	2.213	1.823	1.812
Labor benefits	0.609	0.620	0.460	0.477	1.255	1.257	0.565	0.573
Marketing	1.047	1.084	0.974	1.010	2.317	2.415	0.631	0.651
Total, variable cash expenses	6.424	6.587	5.536	5.683	9.739	10.062	6.377	6.506
Fixed cash expenses:								
Depreciation	0.570	0.546	0.403	0.385	0.975	0.940	0.653	0.624
Taxes and insurance	0.190	0.198	0.115	0.121	0.163	0.174	0.313	0.324
Interest	0.180	0.165	0.229	0.210	0.000	0.000	0.180	0.166
Total, fixed cash expenses	0.940	0.910	0.747	0.716	1.138	1.114	1.146	1.113
General and administrative:								
Labor	0.315	0.321	0.270	0.280	0.438	0.439	0.329	0.334
Nonlabor	0.547	0.569	0.660	0.686	0.330	0.346	0.466	0.484
Total, general and administrative	0.861	0.890	0.931	0.967	0.768	0.785	0.795	0.818
Total, processing costs	8.225	8.387	7.214	7.366	11.645	11.960	8.319	8.438
Credits:								
Molasses	0.719	0.737	0.655	0.701	0.502	0.454	0.904	0.906
Bagasse	0.032	0.031	0.027	0.028	0.000	0.000	0.052	0.050
Other	0.168	0.144	0.043	0.043	1.030	0.866	0.000	0.000
Total, credits	0.919	0.913	0.725	0.772	1.532	1.320	0.956	0.955
Recovery per net ton of cane (lbs)	237.0	234.6	245.4	243.2	248.0	243.8	221.8	219.9

Source: Economic Research Service, U.S. Department of Agriculture.

Area Planted Continued Falling, Down 8 Percent

Area planted to peanuts continued falling, down 8 percent from 1995 levels to 1.4 million acres in 1996. Production was up 5 percent from 1995 levels at 3.6 billion pounds, but still below 1994 levels. Although the quota price was unchanged from 1995 at \$678 per ton, the average harvest-month price fell from 29 cents per pound to 26 cents. On average, yields rose 13 percent to 2,443 pounds per planted acre, and returns rose as well. Residual returns to management and risk were positive in 1996; higher gross value and lower fixed costs more than offset higher variable cash expenses.

Area planted to peanuts fell across all regions, although Texas reported more peanut acres in 1996 than in 1995. Yields rose in all three regions, with the largest yields and yield increases in the Virginia-North Carolina region. Growers in Alabama and Oklahoma had lower production in 1996, but there were considerably fewer acres planted in these States and yields were higher in 1996 than in 1995.

The Virginia-North Carolina region continues to have the highest gross value of production and production costs. Variable costs increased slightly more than the

decline in fixed costs. The region has the highest chemical and labor costs, but the lowest cost of commercial drying as most Virginia-North Carolina growers do their own drying.

The Southeast region accounts for the majority of U.S. peanut production—some 52 percent in 1996, down from 55 percent in 1995. Growers here had the lowest costs for fuel and repairs, and the increase in variable costs was offset by the decline in fixed costs.

The Southern Plains had the lowest yields and gross value of production. Variable costs were lowest in this region as expenditures for fertilizer and chemicals were half that of the other regions. Costs for fuel, repairs, and replacement were highest here because of irrigation.

Per pound variable production costs varied from 13.7 cents in Virginia-North Carolina to 14 cents in the Southern Plains and 14.4 cents in the Southeast. Total cash costs per pound varied from 15.9 cents in Virginia-North Carolina to 17 cents in the Southeast and 17.5 cents in the Southern Plains.

Figure 8-11

Peanut production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1995 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-11A—Peanut production cash costs and returns, 1995-96

Item	United States		Virginia/ North Carolina		Southeast		Southern Plains	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>								
Gross value of production:								
Peanuts	620.62	635.14	744.61	832.06	657.51	680.56	493.75	481.58
Peanut hay	10.35	12.10	9.18	9.98	8.13	9.06	15.85	19.15
Total, gross value of production	630.97	647.24	753.79	842.04	665.64	689.62	509.60	500.73
Cash expenses:								
Seed	72.87	74.75	84.24	92.73	75.05	76.03	61.09	62.57
Fertilizer, lime, and gypsum	43.47	44.12	53.55	52.20	49.62	52.29	23.94	23.85
Chemicals	97.83	99.71	139.24	142.94	112.44	117.85	40.50	41.08
Custom operations ¹	8.44	8.70	4.71	4.85	8.69	8.84	10.24	10.51
Fuel, lube, and electricity	34.84	40.31	32.17	40.05	26.48	29.70	54.49	61.09
Repairs	27.85	28.62	26.89	27.83	26.27	27.03	31.88	32.14
Hired labor	31.97	32.86	43.13	42.63	30.15	32.27	28.91	28.74
Drying	14.95	17.03	4.21	5.15	16.44	18.29	18.44	20.99
Other variable cash expenses ²	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total, variable cash expenses	332.22	346.10	388.14	408.38	345.14	362.30	269.49	280.97
General farm overhead	17.38	12.94	24.69	18.56	15.78	11.84	16.27	12.05
Taxes and insurance	20.17	17.96	23.11	20.90	20.66	18.44	17.27	15.43
Interest	44.67	35.47	29.42	23.28	44.96	35.57	53.54	41.85
Total, fixed cash expenses	82.22	66.37	77.22	62.74	81.40	65.85	87.08	69.33
Total, cash expenses	414.44	412.47	465.36	471.12	426.54	428.15	356.57	350.30
Gross value of production less cash expenses	216.53	234.77	288.43	370.92	239.10	261.47	153.03	150.43
Harvest-period price (dollars/lb)	0.29	0.26	0.31	0.28	0.29	0.27	0.29	0.24
Yield (lbs/planted acre)	2,140	2,443	2,402	2,972	2,267	2,521	1,703	2,007

Table 8-11B—Peanut production economic costs and returns, 1995-96

Item	United States		Virginia/ North Carolina		Southeast		Southern Plains	
	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per planted acre</i>								
Gross value of production:								
Peanuts	620.62	635.14	744.61	832.06	657.51	680.56	493.75	481.58
Peanut hay	10.35	12.10	9.18	9.98	8.13	9.06	15.85	19.15
Total, gross value of production	630.97	647.24	753.79	842.04	665.64	689.62	509.60	500.73
Economic (full ownership) costs:								
Variable cash expenses	332.22	346.10	388.14	408.38	345.14	362.30	269.49	280.97
General farm overhead	17.38	12.94	24.69	18.56	15.78	11.84	16.27	12.05
Taxes and insurance	20.17	17.96	23.11	20.90	20.66	18.44	17.27	15.43
Capital replacement	47.62	49.13	39.53	40.92	42.48	43.79	63.72	63.93
Operating capital	9.29	8.37	10.85	10.27	9.65	8.75	7.53	6.62
Other nonland capital	28.43	27.70	26.67	26.16	26.03	25.41	34.72	32.98
Land	52.94	44.67	66.09	62.93	45.76	43.06	60.21	37.97
Peanut quota	93.92	94.89	103.83	108.58	102.55	103.07	69.16	71.58
Unpaid labor	30.64	32.14	29.82	29.49	27.23	29.12	38.48	39.44
Total, economic (full ownership) costs	632.61	633.90	712.73	726.19	635.28	645.78	576.85	560.97
Residual returns to management and risk	-1.64	13.34	41.06	115.85	30.36	43.84	-67.25	-60.24
Harvest-period price (dollars/lb)	0.29	0.26	0.31	0.28	0.29	0.27	0.29	0.24
Yield (lbs/planted acre)	2,140	2,443	2,402	2,972	2,267	2,521	1,703	2,007

¹Cost of custom operations and technical services.²Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

Variable Costs of Flue-Cured Tobacco Up Almost 7 Percent

Flue-Cured Tobacco

Adverse weather conditions in the Southeast at harvest influenced flue-cured tobacco prices. However, flue-cured tobacco production was about 22 percent higher in 1996 than 1995. Variable costs of producing an acre of flue-cured tobacco in 1996 averaged \$2,026, up almost 7 percent from 1995. Among the cost components, selling costs (warehouse fees, no-net-cost and marketing assessments, inspection, and grading fees), which are influenced by production and the market price, increased the most (17 percent). The next largest change was in fuel-related costs (up 15 percent), followed by chemical costs (up 4 percent). Selling and labor costs increased \$21 and \$24 per acre, respectively, from 1995 to 1996. Total 1996 ownership costs per acre declined about 1 percent (\$564 to \$559). Of the ownership costs, taxes and insurance costs decreased the most (4 percent). Both general farm overhead and land and quota costs increased by 14 and 12 percent, respectively, reflecting the effects of an increase in yield of 218 pounds per acre.

Burley Tobacco

Note: Burley tobacco cost estimates for 1995 and 1996 are based on new data collected through USDA's 1995

Farm Costs and Returns Survey. The burley budget now conforms with format and methodologies used for other commodities in the costs-of-production project. In-depth research based on the new data will be published soon. Data for flue-cured tobacco have just been collected, and flue-cured budgets will be revised next year.

The variable costs of producing and selling burley tobacco increased from \$1,249 per acre in 1995 to \$1,343 in 1996. Total fixed costs decreased almost \$61 per acre. Selling costs (warehouse fees, no-net-cost and marketing assessments, inspection, and grading fees) rose \$28 in 1996. The largest changes among all individual cost items per acre between 1995 and 1996 were general farm overhead (down 21 percent), labor (up 15 percent), and selling costs (up 13 percent).

General farm overhead was lower, as were all allocated costs, due to burley tobacco's lower contribution to the overall value of production of the farm. While the gross value of production for burley tobacco was higher in 1996 than in 1995, all other farm enterprises together were higher. Land and quota charges increased from \$955 per acre in 1995 to \$1,008 because of higher yields and increased market prices.

Figure 8-12

Tobacco production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 for flue-cured tobacco and in 1995 for burley tobacco about production practices and costs of production.

Table 8-12A—Flue-cured tobacco production cash costs and returns, 1995-96

Item	1995	1996 ¹
	<i>Dollars per planted acre</i>	
Gross value of production	3,467.80	3,951.39
Variable costs:		
Labor ²	725.12	758.39
Noncash benefits ³	24.68	25.81
Fertilizer and lime ⁴	225.90	229.60
Plant bed materials ⁵	46.11	47.77
Chemicals ⁶	218.50	226.10
Custom operations	8.15	8.15
Fuel and lubrication ⁷	59.86	69.07
Curing fuel and electricity ⁸	297.89	343.72
Repairs ⁹	142.88	146.71
Warehouse fee	91.90	104.71
No-net-cost and marketing assessment	15.46	21.51
Inspection and grading fee	15.44	17.85
Interest	22.44	22.87
Other ¹⁰	3.81	3.91
Total, variable costs	1,898.14	2,026.17
Machinery and barn ownership costs:		
Capital replacement	320.71	320.94
Return to other nonland capital	103.31	104.22
Taxes and insurance	140.21	134.22
Total, ownership costs	564.23	559.38
Other costs:		
General farm overhead	224.52	255.83
Land and quota charge ¹¹	799.19	897.88
Total, excluding land and quota	2,686.89	2,841.38
Yield (lbs/acre)	1,933	2,151

¹Preliminary.

²Includes operator, family, exchange, and hired labor valued at prevailing hired wage rates.

³Includes rental values of housing, personal property, utilities, drinks, snacks, and field toilets.

⁴Includes custom costs if they could not be separated.

⁵Includes plant bed seed, fertilizer, pesticides, fumigants, and purchased plants.

⁶Includes insecticides, herbicides, fungicides, pesticides, and growth regulators. Also includes custom costs if they could not be separated.

⁷Includes tractors, machinery and irrigation fuel, and lubrication.

⁸Includes cost of LP gas, fuel oil, or diesel, and electricity used to cure tobacco.

⁹Includes machinery, equipment, irrigation, and barn repairs.

¹⁰Includes cover crop seed, sticks, and twine.

¹¹Weighted average of cash and share rents.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-12B—Burley tobacco production cash costs and returns, 1995-96

Item	1995	1996
	<i>Dollars per planted acre</i>	
Gross value of production	3,371.00	3,847.53
Cash expenses:		
Seed and plant bed ^{1, 2}	104.65	103.80
Fertilizer	279.68	305.84
Chemicals	94.54	97.83
Custom operations	10.82	12.90
Fuel, lube, and electricity ³	63.57	73.35
Repairs ⁴	68.57	70.41
Hired labor ⁵	398.99	421.80
Marketing expenses ⁶	210.41	238.67
Other variable cash expenses ⁷	17.31	18.74
Total, variable cash expenses	1,248.54	1,343.34
General farm overhead	206.42	163.48
Taxes and insurance	45.21	40.13
Interest	77.24	64.50
Total, fixed cash expenses	328.87	268.11
Total, cash expenses	1,577.41	1,611.45
Gross value of production less cash expenses	1,793.59	2,236.08

Table 8-12C—Burley tobacco production economic costs and returns, 1995-96

Item	1995	1996
	<i>Dollars per planted acre</i>	
Gross value of production:		
Burley tobacco	3,371.00	3,847.53
Total, gross value of production	3,371.00	3,847.53
Economic (full ownership) costs:		
Variable cash expenses	1,248.54	1,343.34
General farm overhead	206.42	163.48
Taxes and insurance	45.21	40.13
Capital replacement	97.91	91.07
Operating capital	34.16	34.19
Other nonland capital	118.29	104.28
Land and quota ⁸	955.33	1,008.22
Unpaid labor ⁹	553.55	585.19
Total, economic (full ownership) costs	3,259.41	3,369.90
Residual returns to management and risk	111.59	477.63
Harvest-period price (dollars/lb)	1.845	1.920
Yield (lbs/planted acre)	1,827	2,004

¹Includes seeds, purchased plants, fiber, plastic and/or canvas covers, potting soil, tray, tubes, wood, etc.

²Excludes chemicals, fertilizers, fuels, lubricants, and utilities.

³Includes cost of LP gas, gasoline, diesel fuels, and lubricants used for tractors, trucks, machinery, and irrigation equipment. Also includes fuel cost for heating barns and sheds.

⁴Includes costs of repairs for machinery, equipment, irrigation, and burley tobacco-related buildings.

⁵Includes hired labor valued at prevailing hired wage rates and cash and noncash benefits.

⁶Includes marketing assessments and fees, no-net cost, inspection, and grading.

⁷Includes items, such as sticks, twine, grading boxes, and baling supplies.

⁸Weighted average of cash and share rented quota.

⁹Includes operator, partner, and family unpaid labor.

Source: Economic Research Service, U.S. Department of Agriculture.

Cash Costs Up 6 Percent

Cash and economic costs of producing 100 pounds (cwt) of milk in the United States in 1996 were up 6 and 3 percent, respectively, from 1995. Most of the increase was due to higher feed costs. Obtaining enough quality forage for the existing herd was a challenge over much of the country. Even concentrate availability became a factor. Very low grain stocks meant no guarantee of a steady flow of concentrate ration of a reasonably constant composition. Supplies of high-quality alfalfa were also very tight. Although 1995 alfalfa production was large, a relatively small share was dairy quality. By the spring of 1996, stocks of good forage were largely exhausted. Cool, wet weather over much of the country delayed hay and pasture development and slashed quality. Later cuttings also had widespread quality problems. High concentrate prices magnified the forage quality problems.

Nevertheless, higher milk prices in 1996 outpaced the increase in costs of grain and other concentrates. Higher milk prices helped boost 1996 returns to dairy farms, particularly for producers who grew their own feed grains or who priced their feed ahead. The U.S. gross value of production less cash expenses rose more than \$1 per cwt from 1995. While residual returns to management and risk remained negative, they also posted an improvement of more than \$1 from 1995.

Cash production costs varied by region. In 1996, the Southeast continued to see the highest cost, averaging \$14.92 per cwt of milk sold, while the Pacific region again saw the lowest costs, averaging \$11.20 per cwt. All six regions saw a substantial increase in feed costs from 1995 to 1996.

Residual returns to management and risk improved in all six regions. However, only the Pacific region's returns were positive.

Table 8-13A—Milk production cash costs and returns, 1995-96

Item	United States		Northeast		Southeast		Upper Midwest		Corn Belt		Southern Plains		Pacific	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt</i>														
Gross value of production:														
Milk	12.80	14.78	13.26	15.19	14.94	17.41	12.83	14.74	12.91	14.88	13.00	15.10	11.91	13.89
Cattle	0.87	0.78	0.78	0.69	0.99	0.86	1.00	0.89	1.10	0.97	0.88	0.79	0.64	0.57
Other income ¹	0.60	0.61	0.50	0.51	0.49	0.50	0.76	0.77	0.51	0.52	0.41	0.40	0.55	0.57
Total, gross value of production	14.27	16.17	14.54	16.39	16.42	18.77	14.59	16.40	14.52	16.37	14.29	16.29	13.10	15.03
Cash expenses:														
Feed—														
Concentrates	3.51	4.09	3.48	4.04	5.26	5.89	3.53	4.19	3.77	4.47	4.59	5.86	2.89	3.13
Byproducts	0.21	0.21	0.04	0.04	0.46	0.45	0.11	0.11	0.24	0.25	0.18	0.19	0.43	0.43
Liquid whey	0.12	0.13	0.13	0.14	0.04	0.05	0.15	0.16	0.22	0.24	0.01	0.01	0.04	0.04
Hay	1.45	1.60	1.29	1.37	0.65	0.69	0.98	1.04	1.48	1.80	2.02	2.81	2.28	2.45
Silage	1.25	1.37	1.76	1.84	0.93	0.98	1.41	1.51	1.15	1.46	0.10	0.14	0.91	1.00
Pasture and other forage	0.12	0.13	0.03	0.03	0.07	0.06	0.13	0.16	0.11	0.13	0.07	0.08	0.19	0.20
Total, feed costs	6.66	7.53	6.73	7.46	7.41	8.12	6.31	7.17	6.97	8.35	6.97	9.09	6.74	7.25
Other—														
Hauling	0.46	0.44	0.75	0.68	0.96	0.96	0.26	0.25	0.43	0.43	0.61	0.59	0.41	0.39
Artificial insemination	0.15	0.14	0.21	0.20	0.12	0.12	0.16	0.15	0.12	0.12	0.05	0.05	0.12	0.11
Veterinary and medicine	0.38	0.36	0.49	0.44	0.49	0.49	0.44	0.43	0.40	0.40	0.20	0.19	0.21	0.20
Bedding and litter	0.24	0.23	0.38	0.37	0.01	0.00	0.32	0.31	0.32	0.32	0.00	0.00	0.05	0.05
Marketing	0.38	0.36	0.49	0.45	0.53	0.53	0.26	0.25	0.31	0.31	0.27	0.26	0.47	0.44
Custom services and supplies	0.43	0.42	0.60	0.54	0.65	0.65	0.34	0.34	0.38	0.38	0.32	0.31	0.42	0.40
Fuel, lube, and electricity	0.49	0.53	0.65	0.70	0.31	0.34	0.57	0.62	0.52	0.58	0.44	0.49	0.27	0.28
Machinery and building repairs	0.78	0.76	0.95	0.93	0.63	0.63	1.04	1.01	0.91	0.87	0.44	0.43	0.31	0.30
Hired labor	0.64	0.62	0.64	0.61	1.36	1.35	0.58	0.56	0.64	0.61	0.81	0.78	0.57	0.56
DHIA fees	0.08	0.07	0.11	0.10	0.05	0.05	0.07	0.07	0.07	0.07	0.05	0.05	0.07	0.07
Dairy assessment	0.16	0.03	0.16	0.03	0.16	0.03	0.16	0.03	0.16	0.03	0.16	0.03	0.16	0.03
Total, variable cash expenses	10.85	11.49	12.16	12.51	12.68	13.27	10.51	11.19	11.23	12.47	10.32	12.27	9.80	10.08
General farm overhead	0.54	0.53	0.55	0.53	0.66	0.63	0.67	0.65	0.59	0.56	0.47	0.45	0.34	0.34
Taxes and insurance	0.29	0.33	0.40	0.44	0.33	0.37	0.38	0.43	0.27	0.31	0.15	0.16	0.12	0.13
Interest	0.83	0.85	0.77	0.79	0.58	0.60	1.14	1.16	0.70	0.71	0.59	0.60	0.63	0.64
Total, fixed cash expenses	1.66	1.71	1.72	1.76	1.57	1.60	2.19	2.24	1.56	1.58	1.21	1.21	1.09	1.11
Total, cash expenses	12.51	13.20	13.88	14.27	14.25	14.87	12.70	13.43	12.79	14.05	11.53	13.48	10.89	11.19
Gross value of production less cash expenses	1.76	2.97	0.66	2.12	2.17	3.90	1.89	2.97	1.73	2.32	2.76	2.81	2.21	3.84

Table 8-13B—Milk production economic costs and returns, 1995-96

Item	United States		Northeast		Southeast		Upper Midwest		Corn Belt		Southern Plains		Pacific	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt</i>														
Gross value of production:														
Milk	12.80	14.78	13.26	15.19	14.94	17.41	12.83	14.74	12.91	14.88	13.00	15.10	11.91	13.89
Cattle	0.87	0.78	0.78	0.69	0.99	0.86	1.00	0.89	1.10	0.97	0.88	0.79	0.64	0.57
Other income ¹	0.60	0.61	0.50	0.51	0.49	0.50	0.76	0.77	0.51	0.52	0.41	0.40	0.55	0.57
Total, gross value of production	14.27	16.17	14.54	16.39	16.42	18.77	14.59	16.40	14.52	16.37	14.29	16.29	13.10	15.03
Economic (full ownership) costs:														
Variable cash expenses	10.85	11.49	12.16	12.51	12.68	13.27	10.51	11.19	11.23	12.47	10.32	12.27	9.80	10.08
General farm overhead	0.54	0.53	0.55	0.53	0.66	0.63	0.67	0.65	0.59	0.56	0.47	0.45	0.34	0.34
Taxes and insurance	0.29	0.33	0.40	0.44	0.33	0.37	0.38	0.43	0.27	0.31	0.15	0.16	0.12	0.13
Capital replacement	2.07	2.01	2.09	2.02	2.56	2.54	2.41	2.34	2.18	2.07	2.19	2.10	1.42	1.40
Operating capital	0.10	0.10	0.12	0.11	0.12	0.12	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.08
Other nonland capital	0.94	0.87	0.91	0.83	1.66	1.55	1.08	0.99	0.95	0.85	0.96	0.87	0.65	0.61
Land	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.01
Unpaid labor	1.85	1.80	2.66	2.56	0.33	0.32	2.23	2.15	3.19	3.00	0.93	0.90	0.45	0.45
Total, economic (full ownership) costs	16.65	17.13	18.89	19.00	18.34	18.80	17.39	17.85	18.53	19.38	15.12	16.85	12.88	13.10
Residual returns to management and risk	-2.38	-0.96	-4.35	-2.61	-1.92	-0.03	-2.80	-1.45	-4.01	-3.01	-0.83	-0.56	0.22	1.93

¹Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

Source: Economic Research Service, U.S. Department of Agriculture.

Higher Hog Prices Mostly Offset by Higher Feed Costs in 1996

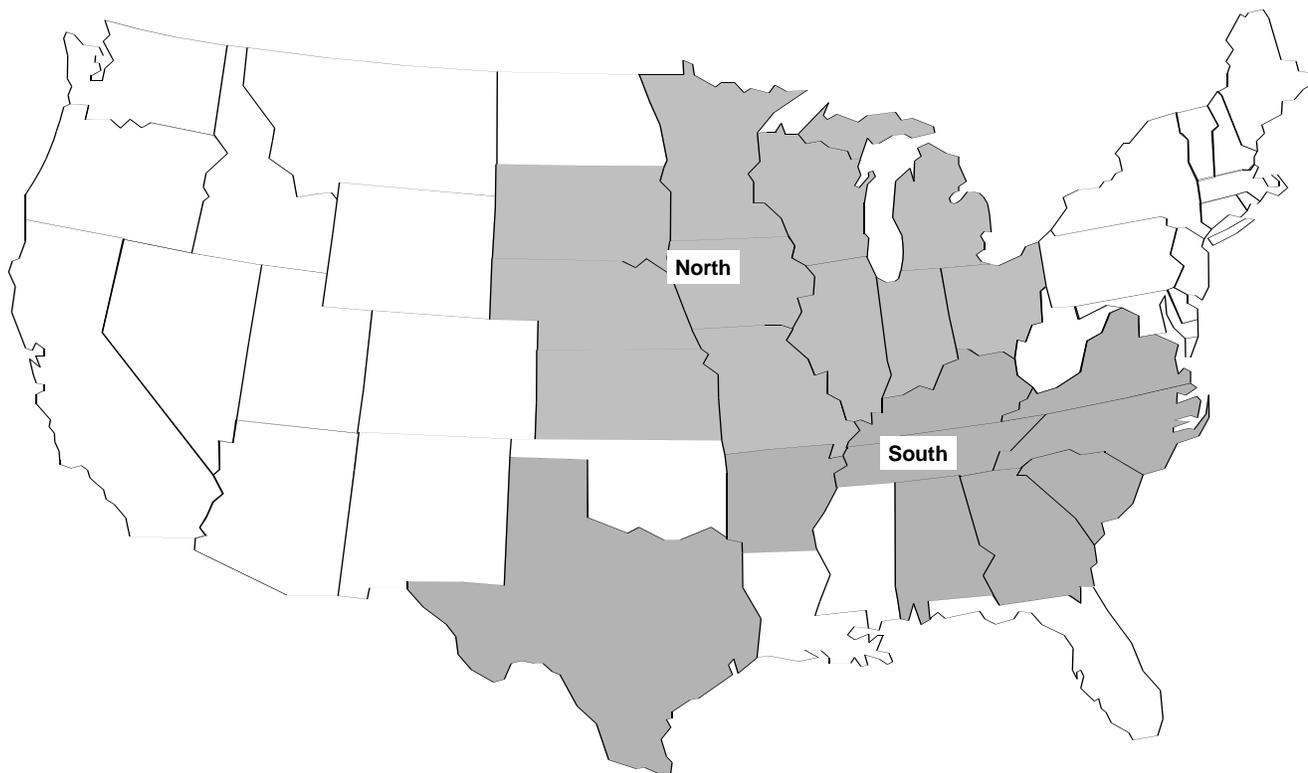
Higher hog prices during 1996 led to an increased value of hog production that was mostly offset by higher feed costs. Market hog prices ranged from \$50 to \$60 per cwt during much of 1996, up from \$40 to \$50 in 1995. Feeder pig prices were also up sharply from 1995 levels, mostly in the \$70-\$80 range. However, the higher corn and soybean prices that benefited crop producers offset much of the additional income from higher hog prices. Feed costs rose about 30 percent for all producer types. Average returns above cash costs improved for market hog producers, but changed little for feeder pig operations. Residual returns to management and risk changed little among hog producers and remained negative as they have since 1992. Negative average farm returns to resources used in the hog sector help explain the continually declining number of hog operations.

Farrow-to-finish hog producers in both the North and South benefited from much higher market hog prices in 1996, but paid higher feed costs. Feed costs were up about 30 percent in both regions as corn and soybean prices soared. However, the greater value of hog production improved both cash and residual returns to farrow-to-finish production in both regions. Southern producers pay more for feed than northern producers, due mainly to fewer local supplies, but have similar returns because of somewhat higher production values. Much of this is due to a positive inventory change in the South, indicating expanded production, compared with a decline in the North.

Despite higher feeder pig prices in 1996, returns to feeder pig production were down in both the North and South as feeder pigs continued to be the lowest returning hog enterprise. Feeder pig prices in the South lagged those in the North, where the value of feeder pig production rose nearly 20 percent compared with only 10 percent in the South. However, higher feed costs offset much of the increased value in both regions. Cash returns in 1996 were mostly unchanged from 1995, but returns above economic costs were about \$3 per cwt lower among northern growers, and \$8 lower in the South. Continued poor returns to feeder pig production suggest a greater decline in this specialty relative to other hog producer types.

In contrast to feeder pig production, feeder pig finishing produced improved returns in 1996, particularly in the South. Higher market hog prices pushed the value of finished hogs up 25 percent in both the North and South. Higher feed costs were somewhat offsetting, but cash and economic returns to feeder pig finishing moved higher in both regions. Cash returns improved nearly \$3 per cwt in the North and nearly \$9 in the South. Likewise, returns above economic costs were up about \$1 in the North, but more than \$7 in the South. Newer, larger, and more efficient operations characterize hog finishing in the South and likely account for the region's lower costs. Among all hog enterprises, only feeder pig finishing in the South showed a positive residual return to management and risk at about \$5 per cwt. This helps explain the continued growth of contract hog finishing in the South relative to other hog enterprises.

Figure 8-14
Hog production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production.

Table 8-14A—Hog production cash costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
	<i>Dollars per cwt gain¹</i>					
Gross value of production:						
Market hogs	38.45	48.87	38.03	48.31	40.01	50.69
Feeder pigs	4.57	5.17	4.58	5.28	4.55	4.83
Cull stock	2.22	3.02	2.19	3.02	2.31	3.04
Breeding stock	2.01	2.63	2.19	2.92	1.35	1.69
Inventory change	-0.20	-0.84	-0.58	-1.38	1.20	0.94
Other income ²	1.32	1.31	1.42	1.43	0.93	0.93
Total, gross value of production	48.37	60.16	47.83	59.58	50.35	62.12
Cash expenses:						
Feed—						
Grain	12.28	17.25	12.58	17.86	11.20	15.24
Protein sources	7.96	10.48	8.34	11.29	6.56	7.82
Complete mixes	5.83	7.08	4.74	5.67	9.78	11.70
Other feed items ³	0.56	0.67	0.66	0.80	0.20	0.22
Total, feed costs	26.63	35.48	26.32	35.62	27.74	34.98
Other—						
Feeder pigs	3.31	3.81	3.04	3.58	4.31	4.58
Veterinary and medicine	1.41	1.41	1.55	1.57	0.89	0.89
Bedding and litter	0.08	0.08	0.10	0.10	0.02	0.02
Marketing	0.59	0.59	0.55	0.56	0.72	0.70
Custom services and supplies	0.50	0.51	0.46	0.47	0.63	0.64
Fuel, lube, and electricity	1.58	1.83	1.56	1.84	1.65	1.78
Repairs	1.40	1.41	1.43	1.45	1.28	1.28
Hired labor	2.55	2.74	2.54	2.78	2.56	2.63
Total, variable cash expenses	38.05	47.86	37.55	47.97	39.80	47.50
General farm overhead	1.91	1.59	2.07	1.72	1.35	1.14
Taxes and insurance	1.06	1.03	1.09	1.06	0.98	0.95
Interest	3.00	2.65	3.25	2.90	2.07	1.83
Total, fixed cash expenses	5.97	5.27	6.41	5.68	4.40	3.92
Total, cash expenses	44.02	53.13	43.96	53.65	44.20	51.42
Gross value of production less cash expenses	4.35	7.03	3.87	5.93	6.15	10.70

Table 8-14B—Hog production economic costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
	<i>Dollars per cwt gain¹</i>					
Gross value of production:						
Market hogs	38.45	48.87	38.03	48.31	40.01	50.69
Feeder pigs	4.57	5.17	4.58	5.28	4.55	4.83
Cull stock	2.22	3.02	2.19	3.02	2.31	3.04
Breeding stock	2.01	2.63	2.19	2.92	1.35	1.69
Inventory change	-0.20	-0.84	-0.58	-1.38	1.20	0.94
Other income ²	1.32	1.31	1.42	1.43	0.93	0.93
Total, gross value of production	48.37	60.16	47.83	59.58	50.35	62.12
Economic (full ownership) costs:						
Variable cash expenses	38.05	47.86	37.55	47.97	39.80	47.50
General farm overhead	1.91	1.59	2.07	1.72	1.35	1.14
Taxes and insurance	1.06	1.03	1.09	1.06	0.98	0.95
Capital replacement	11.26	11.76	11.15	11.49	11.69	12.64
Operating capital	1.06	1.22	1.05	1.22	1.11	1.21
Other nonland capital	4.09	4.07	3.93	3.84	4.70	4.83
Land	0.21	0.22	0.24	0.25	0.12	0.13
Unpaid labor	4.93	5.17	5.15	5.48	4.12	4.16
Total, economic (full ownership) costs	62.57	72.92	62.23	73.03	63.87	72.56
Residual returns to management and risk	-14.20	-12.76	-14.40	-13.45	-13.52	-10.44

¹Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.

²Value of manure production.

³Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-15A—Farrow-to-finish production cash costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Gross value of production:						
Market hogs	39.76	50.37	39.60	50.18	40.39	51.03
Feeder pigs	0.41	0.46	0.39	0.45	0.48	0.51
Cull stock	2.06	2.83	2.16	2.99	1.65	2.25
Breeding stock	0.17	0.24	0.14	0.21	0.26	0.35
Inventory change	-0.26	-0.95	-0.61	-1.42	1.09	0.73
Other income ²	1.38	1.38	1.48	1.48	1.00	1.00
Total, gross value of production	43.52	54.33	43.16	53.89	44.87	55.87
Cash expenses:						
Feed—						
Grain	12.85	18.14	12.61	17.94	13.74	18.85
Protein sources	8.68	11.48	8.70	11.81	8.60	10.31
Complete mixes	4.19	5.12	3.50	4.23	6.86	8.28
Other feed items ³	0.54	0.64	0.61	0.73	0.28	0.32
Total, feed costs	26.26	35.38	25.42	34.71	29.48	37.76
Other—						
Feeder pigs	0.13	0.15	0.15	0.18	0.05	0.05
Veterinary and medicine	1.22	1.25	1.29	1.32	0.98	0.98
Bedding and litter	0.06	0.06	0.07	0.07	0.02	0.02
Marketing	0.47	0.48	0.45	0.46	0.56	0.54
Custom services and supplies	0.42	0.43	0.40	0.40	0.51	0.51
Fuel, lube, and electricity	1.50	1.75	1.44	1.72	1.73	1.88
Repairs	1.38	1.40	1.40	1.42	1.33	1.34
Hired labor	2.29	2.52	2.18	2.45	2.68	2.75
Total, variable cash expenses	33.73	43.42	32.80	42.73	37.34	45.83
General farm overhead	1.70	1.41	1.80	1.50	1.31	1.11
Taxes and insurance	0.96	0.94	0.98	0.96	0.88	0.85
Interest	2.68	2.38	2.91	2.61	1.77	1.55
Total, fixed cash expenses	5.34	4.73	5.69	5.07	3.96	3.51
Total, cash expenses	39.07	48.15	38.49	47.80	41.30	49.34
Gross value of production less cash expenses	4.45	6.18	4.67	6.09	3.57	6.53

Table 8-15B—Farrow-to-finish production economic costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Market hogs	39.76	50.37	39.60	50.18	40.39	51.03
Feeder pigs	0.41	0.46	0.39	0.45	0.48	0.51
Cull stock	2.06	2.83	2.16	2.99	1.65	2.25
Breeding stock	0.17	0.24	0.14	0.21	0.26	0.35
Inventory change	-0.26	-0.95	-0.61	-1.42	1.09	0.73
Other income ²	1.38	1.38	1.48	1.48	1.00	1.00
Total, gross value of production	43.52	54.33	43.16	53.89	44.87	55.87
Economic (full ownership) costs:						
Variable cash expenses	33.73	43.42	32.80	42.73	37.34	45.83
General farm overhead	1.70	1.41	1.80	1.50	1.31	1.11
Taxes and insurance	0.96	0.94	0.98	0.96	0.88	0.85
Capital replacement	10.95	11.37	10.90	11.19	11.13	12.01
Operating capital	0.94	1.11	0.92	1.09	1.04	1.16
Other nonland capital	3.98	3.94	3.87	3.78	4.40	4.51
Land	0.22	0.23	0.24	0.26	0.12	0.13
Unpaid labor	4.75	4.97	4.90	5.18	4.16	4.22
Total, economic (full ownership) costs	57.23	67.39	56.41	66.69	60.38	69.82
Residual returns to management and risk	-13.71	-13.06	-13.25	-12.80	-15.51	-13.95

¹Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.

²Value of manure production.

³Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-16A—Farrow-to-feeder pig production cash costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Gross value of production:						
Market hogs	0.92	1.16	1.01	1.30	0.65	0.80
Feeder pigs	62.08	72.12	62.46	74.52	60.95	65.74
Cull stock	5.32	7.24	5.13	6.99	5.89	7.89
Breeding stock	0.11	0.15	0.13	0.18	0.06	0.07
Inventory change	0.02	-0.48	-0.23	-0.89	0.78	0.61
Other income ²	1.43	1.45	1.47	1.50	1.29	1.30
Total, gross value of production	69.88	81.64	69.97	83.60	69.62	76.41
Cash expenses:						
Feed—						
Grain	14.19	19.86	16.68	23.93	6.71	9.01
Protein sources	8.33	10.75	9.60	12.77	4.50	5.37
Complete mixes	15.19	19.26	10.25	12.77	30.02	36.55
Other feed items ³	0.68	0.81	0.85	1.04	0.17	0.19
Total, feed costs	38.39	50.68	37.38	50.51	41.40	51.12
Other—						
Feeder pigs	0.03	0.04	0.04	0.06	0.01	0.01
Veterinary and medicine	4.89	4.78	5.67	5.60	2.56	2.60
Bedding and litter	0.20	0.21	0.26	0.27	0.04	0.04
Marketing	2.76	2.85	2.34	2.45	4.03	3.92
Custom services and supplies	1.47	1.57	0.99	1.03	2.90	3.01
Fuel, lube, and electricity	4.67	5.38	4.59	5.39	4.89	5.36
Repairs	2.90	2.90	3.16	3.21	2.11	2.06
Hired labor	7.44	7.89	6.22	6.44	11.09	11.75
Total, variable cash expenses	62.75	76.30	60.65	74.96	69.03	79.87
General farm overhead	3.44	2.94	3.44	2.94	3.44	2.93
Taxes and insurance	2.21	2.20	2.02	1.98	2.80	2.77
Interest	5.91	5.38	5.37	4.82	7.51	6.87
Total, fixed cash expenses	11.56	10.52	10.83	9.74	13.75	12.57
Total, cash expenses	74.31	86.82	71.48	84.70	82.78	92.44
Gross value of production less cash expenses	-4.43	-5.18	-1.51	-1.10	-13.16	-16.03

Table 8-16B—Farrow-to-feeder pig production economic costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Gross value of production:						
Market hogs	0.92	1.16	1.01	1.30	0.65	0.80
Feeder pigs	62.08	72.12	62.46	74.52	60.95	65.74
Cull stock	5.32	7.24	5.13	6.99	5.89	7.89
Breeding stock	0.11	0.15	0.13	0.18	0.06	0.07
Inventory change	0.02	-0.48	-0.23	-0.89	0.78	0.61
Other income ²	1.43	1.45	1.47	1.50	1.29	1.30
Total, gross value of production	69.88	81.64	69.97	83.60	69.62	76.41
Economic (full ownership) costs:						
Variable cash expenses	62.75	76.30	60.65	74.96	69.03	79.87
General farm overhead	3.44	2.94	3.44	2.94	3.44	2.93
Taxes and insurance	2.21	2.20	2.02	1.98	2.80	2.77
Capital replacement	25.13	27.25	22.93	24.11	31.73	35.58
Operating capital	1.75	1.94	1.70	1.91	1.93	2.03
Other nonland capital	8.46	8.70	7.59	7.54	11.06	11.77
Land	0.44	0.48	0.44	0.47	0.44	0.49
Unpaid labor	10.48	11.38	10.76	11.96	9.64	9.84
Total, economic (full ownership) costs	114.66	131.19	109.53	125.87	130.07	145.28
Residual returns to management and risk	-44.78	-49.55	-39.56	-42.27	-60.45	-68.87

¹Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.

²Value of manure production.

³Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

Table 8-17A—Feeder pig-to-finish production cash costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Gross value of production:						
Market hogs	52.82	66.89	53.00	67.24	52.41	66.20
Feeder pigs	0.05	0.05	0.05	0.05	0.05	0.05
Cull stock	0.02	0.03	0.01	0.01	0.04	0.06
Breeding stock	0.01	0.01	0.01	0.02	0.00	0.00
Inventory change	0.18	-0.46	-0.52	-1.52	1.74	1.62
Other income ²	1.06	1.05	1.30	1.32	0.51	0.51
Total, gross value of production	54.14	67.57	53.85	67.12	54.75	68.44
Cash expenses:						
Feed—						
Grain	9.66	13.37	11.44	16.26	5.69	7.67
Protein sources	4.65	6.11	5.47	7.48	2.81	3.40
Complete mixes	8.33	9.89	6.60	7.65	12.22	14.32
Other feed items ³	0.32	0.39	0.45	0.55	0.05	0.06
Total, feed costs	22.96	29.76	23.96	31.94	20.77	25.45
Other—						
Feeder pigs	17.71	20.11	17.94	21.22	17.19	17.91
Veterinary and medicine	0.75	0.73	0.95	0.95	0.30	0.29
Bedding and litter	0.11	0.11	0.16	0.16	0.00	0.00
Marketing	0.44	0.44	0.45	0.45	0.42	0.41
Custom services and supplies	0.40	0.42	0.35	0.36	0.53	0.54
Fuel, lube, and electricity	0.76	0.86	0.75	0.88	0.78	0.83
Repairs	0.90	0.90	1.02	1.04	0.62	0.61
Hired labor	0.79	0.88	0.98	1.14	0.37	0.36
Total, variable cash expenses	44.82	54.21	46.56	58.14	40.98	46.40
General farm overhead	1.60	1.32	1.81	1.52	1.11	0.93
Taxes and insurance	1.02	0.99	1.05	1.03	0.94	0.91
Interest	3.12	2.75	3.58	3.21	2.10	1.84
Total, fixed cash expenses	5.74	5.06	6.44	5.76	4.15	3.68
Total, cash expenses	50.56	59.27	53.00	63.90	45.13	50.08
Gross value of production less cash expenses	3.58	8.30	0.85	3.22	9.62	18.36

Table 8-17B—Feeder pig-to-finish production economic costs and returns, 1995-96

Item	United States		North		South	
	1995	1996	1995	1996	1995	1996
<i>Dollars per cwt gain¹</i>						
Gross value of production:						
Market hogs	52.82	66.89	53.00	67.24	52.41	66.20
Feeder pigs	0.05	0.05	0.05	0.05	0.05	0.05
Cull stock	0.02	0.03	0.01	0.01	0.04	0.06
Breeding stock	0.01	0.01	0.01	0.02	0.00	0.00
Inventory change	0.18	-0.46	-0.52	-1.52	1.74	1.62
Other income ²	1.06	1.05	1.30	1.32	0.51	0.51
Total, gross value of production	54.14	67.57	53.85	67.12	54.75	68.44
Economic (full ownership) costs:						
Variable cash expenses	44.82	54.21	46.56	58.14	40.98	46.40
General farm overhead	1.60	1.32	1.81	1.52	1.11	0.93
Taxes and insurance	1.02	0.99	1.05	1.03	0.94	0.91
Capital replacement	7.68	8.00	7.79	8.06	7.42	7.87
Operating capital	1.25	1.38	1.30	1.48	1.14	1.18
Other nonland capital	3.00	3.00	2.82	2.77	3.43	3.46
Land	0.10	0.10	0.12	0.12	0.05	0.06
Unpaid labor	4.18	4.36	4.78	5.12	2.84	2.85
Total, economic (full ownership) costs	63.65	73.36	66.23	78.24	57.91	63.66
Residual returns to management and risk	-9.51	-5.79	-12.38	-11.12	-3.16	4.78

¹Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.

²Value of manure production.

³Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

Operators Once Again Failed To Cover Cash Costs

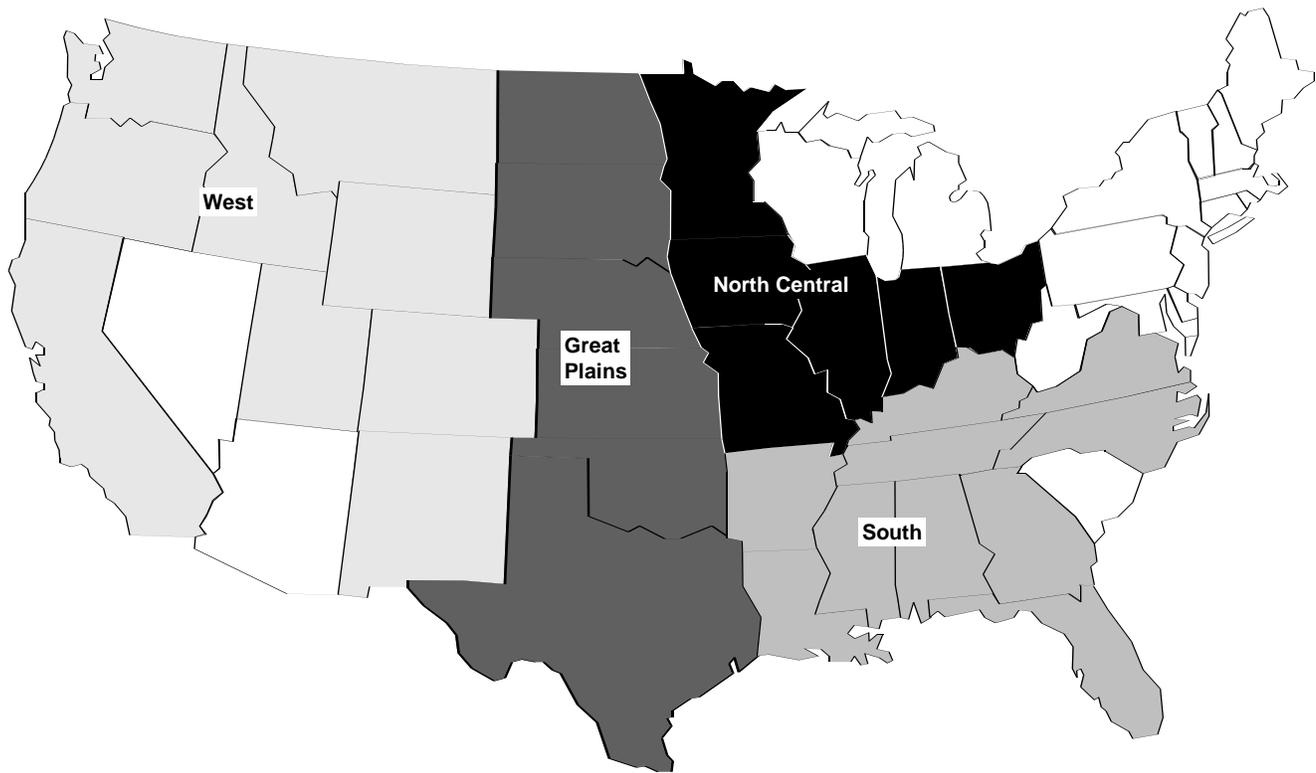
Cash and economic costs for U.S. cow-calf operations in 1996 increased from 1995 levels. Producers operated under the pressures of high grain prices, large cattle supplies, bad weather conditions, and poor feedlot returns. A short grain crop in 1995/96 led to record high grain prices. While much of the Central Plains and Southwestern United States dealt with drought, the Northern States experienced unusually wet conditions. Hay supplies were tight due to supplemental drought feeding during the summer. Accumulated pasture growth for grazing in the winter largely ended in most areas by early November. Cool, wet weather resulted in disappointing wheat pasture growth, although planted acreage was up sharply and emergence was above average.

While 1996 grain prices held down feeder cattle price gains, tight forage supplies and relatively low feeder cattle prices led to continued large cow slaughter. As more beef moved through the market, cattle prices declined. The total gross value of production in 1996 fell 13 percent from the previous year.

Cow-calf operators that marketed calves in 1996 once again failed to cover cash costs. The North Central, South, Great Plains, and West regions all posted a negative average value for the gross value of production less cash expenses for 1996. Operators in the West and South regions again experienced the largest shortfalls.

Residual returns to management and risk deteriorated further in the four regions, as total economic costs increased.

Figure 8-15
Cow-calf production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1990 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

Table 8-18A—Cow-calf production cash costs and returns, 1995-96

Item	United States		North Central		South		Great Plains		West	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per bred cow</i>										
Gross value of production:										
Steer calves	44.94	35.35	44.68	35.08	59.11	45.59	42.52	32.87	36.65	30.60
Heifer calves	37.80	29.56	26.21	20.34	58.67	45.07	34.89	26.79	29.69	24.77
Yearling steers	105.94	97.17	106.69	100.47	68.63	56.77	115.28	109.63	122.75	110.41
Yearling heifers	58.35	53.88	70.32	66.18	27.12	22.98	72.55	68.66	56.34	50.71
Other cattle	84.89	71.46	68.92	59.36	55.30	45.76	99.76	81.75	93.34	82.49
Total, gross value of production	331.92	287.42	316.82	281.43	268.83	216.17	365.00	319.70	338.77	298.98
Cash expenses:										
Feeder cattle	11.67	10.58	2.20	2.15	15.34	12.62	13.85	13.41	9.15	7.92
Feed—										
Grain	9.76	8.98	14.44	11.91	7.84	8.17	10.90	9.58	7.36	7.32
Protein supplements	24.03	29.21	20.41	26.48	18.01	21.96	30.16	36.70	20.67	24.36
Byproducts	7.69	8.02	4.91	5.25	14.25	14.69	7.32	7.72	3.80	3.93
Harvested forages	80.87	86.74	72.35	76.90	48.56	51.60	90.18	98.53	97.64	102.54
Pasture	73.86	79.22	34.88	37.45	44.51	44.24	74.61	79.70	116.65	128.54
Total, feed costs	196.21	212.17	146.99	157.99	133.17	140.66	213.17	232.23	246.12	266.69
Other—										
Veterinary and medicine	18.23	17.55	28.69	27.48	13.83	13.36	18.12	17.46	17.42	16.82
Livestock hauling	4.32	4.18	1.60	1.56	6.59	6.34	3.08	2.99	5.66	5.48
Marketing	4.30	4.16	3.84	3.72	4.77	4.63	4.62	4.46	3.57	3.45
Custom feed mixing	0.22	0.21	0.04	0.04	0.14	0.13	0.30	0.29	0.23	0.23
Fuel, lube	19.11	23.00	23.41	28.20	19.14	22.76	20.30	24.95	15.08	17.54
Machinery and building repairs	31.06	31.83	40.54	41.54	30.65	31.60	33.36	34.18	23.10	23.63
Hired labor	30.91	31.65	11.94	13.17	37.25	36.93	27.78	28.87	39.44	40.17
Other variable cash expenses	5.79	5.95	5.29	5.56	6.98	7.20	6.30	6.46	4.11	4.19
Total, variable cash expenses	321.82	341.28	264.54	281.41	267.86	276.23	340.88	365.30	363.88	386.12
General farm overhead	38.56	36.15	31.64	29.70	36.40	34.16	38.41	35.99	43.94	41.14
Taxes and insurance	15.96	17.27	14.03	15.29	17.69	19.00	12.74	13.89	20.77	22.33
Interest	34.31	33.99	35.20	34.86	19.76	19.53	28.87	28.65	55.96	55.27
Total, fixed cash expenses	88.83	87.41	80.87	79.85	73.85	72.69	80.02	78.53	120.67	118.74
Total, cash expenses	410.65	428.69	345.41	361.26	341.71	348.92	420.90	443.83	484.55	504.86
Gross value of production less cash expenses	-78.73	-141.27	-28.59	-79.83	-72.88	-132.75	-55.90	-124.13	-145.78	-205.88

Table 8-18B—Cow-calf production economic costs and returns, 1995-96

Item	United States		North Central		South		Great Plains		West	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
<i>Dollars per bred cow</i>										
Gross value of production:										
Steer calves	44.94	35.35	44.68	35.08	59.11	45.59	42.52	32.87	36.65	30.60
Heifer calves	37.80	29.56	26.21	20.34	58.67	45.07	34.89	26.79	29.69	24.77
Yearling steers	105.94	97.17	106.69	100.47	68.63	56.77	115.28	109.63	122.75	110.41
Yearling heifers	58.35	53.88	70.32	66.18	27.12	22.98	72.55	68.66	56.34	50.71
Other cattle	84.89	71.46	68.92	59.36	55.30	45.76	99.76	81.75	93.34	82.49
Total, gross value of production	331.92	287.42	316.82	281.43	268.83	216.17	365.00	319.70	338.77	298.98
Economic (full ownership) costs:										
Variable cash expenses	321.82	341.28	264.54	281.41	267.86	276.23	340.88	365.30	363.88	386.12
General farm overhead	38.56	36.15	31.64	29.70	36.40	34.16	38.41	35.99	43.94	41.14
Taxes and insurance	15.96	17.27	14.03	15.29	17.69	19.00	12.74	13.89	20.77	22.33
Capital replacement	84.89	83.59	96.38	95.03	81.34	80.41	85.23	83.56	82.08	81.16
Operating capital	13.49	13.03	11.09	10.74	11.23	10.54	14.29	13.94	15.26	14.74
Other nonland capital	37.59	37.31	47.93	47.64	36.28	36.20	37.45	37.04	34.17	33.95
Land	0.04	0.05	0.12	0.12	0.06	0.07	0.02	0.02	0.03	0.03
Unpaid labor	92.42	96.62	132.88	142.65	96.94	101.02	86.69	90.34	79.26	81.97
Total, economic (full ownership) costs	604.77	625.30	598.61	622.58	547.80	557.63	615.71	640.08	639.39	661.44
Residual returns to management and risk	-272.85	-337.88	-281.79	-341.15	-278.97	-341.46	-250.71	-320.38	-300.62	-362.46

Source: Economic Research Service, U.S. Department of Agriculture.

**Appendix I
Cash Receipts
for Commodities
by State**

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
<i>Thousand dollars</i>					
United States					
All commodities	171,380,658	177,650,246	181,238,887	187,703,843	202,338,990
Livestock and products	85,636,979	90,170,477	88,159,928	87,003,756	92,914,212
Meat animals	47,748,299	50,823,492	46,784,612	44,827,596	44,382,498
Cattle and calves	37,272,292	39,361,709	36,394,811	34,004,481	31,138,046
Hogs	10,016,503	10,910,817	9,882,643	10,264,264	12,643,736
Sheep and lambs	459,504	550,966	507,158	558,851	600,716
Dairy products	19,736,250	19,242,553	19,935,161	19,893,610	22,833,925
Milk, retail	275,845	263,161	303,238	392,964	482,818
Milk, wholesale	19,460,405	18,979,392	19,631,923	19,500,646	22,351,107
Poultry/eggs	15,523,553	17,325,621	18,445,009	19,068,774	22,326,291
Broilers	9,176,537	10,415,826	11,371,723	11,762,222	13,906,019
Farm chickens	82,842	96,435	77,517	61,315	61,429
Chicken eggs	3,384,490	3,779,430	3,780,349	3,879,609	4,756,571
Turkeys	2,396,728	2,509,672	2,643,765	2,822,151	3,056,314
Ducks	8,736	8,493	8,874	9,512	10,614
Other poultry	474,220	515,765	562,781	533,965	535,344
Miscellaneous livestock	2,628,877	2,778,811	2,995,146	3,213,776	3,371,498
Honey	122,741	125,029	116,124	145,653	180,192
Horses/mules	433,000	441,000	489,000	559,000	628,000
Mohair	13,389	12,066	32,247	22,191	15,486
Wool	60,181	39,071	52,403	64,285	39,658
Aquaculture	635,755	686,746	706,109	757,105	767,750
Other livestock	1,363,811	1,474,899	1,599,263	1,665,542	1,740,412
Crops	85,743,679	87,479,769	93,078,959	100,700,087	109,424,778
Food grains	8,467,473	8,179,932	9,545,012	10,416,611	11,549,958
Rice	1,255,836	698,550	1,665,183	1,282,383	1,575,115
Rye	17,572	17,077	20,397	19,175	19,227
Wheat	7,194,065	7,464,305	7,859,432	9,115,053	9,955,616
Feed crops	20,098,600	20,211,046	20,351,200	24,282,381	28,113,655
Barley	814,534	655,481	702,629	824,893	992,388
Corn	14,665,455	14,606,523	14,675,201	18,625,832	21,573,363
Hay	3,122,644	3,570,554	3,701,536	3,326,517	3,573,530
Oats	176,489	142,838	132,840	121,695	145,676
Sorghum grain	1,314,428	1,225,350	1,128,094	1,371,988	1,813,188
Silage	5,050	10,300	10,900	11,456	15,510
Cotton	5,192,067	5,249,680	6,737,709	6,851,079	7,460,813
Cotton lint, all	4,673,466	4,654,785	6,096,156	6,241,223	6,723,079
Cottonseed	518,601	594,895	641,553	609,856	737,734
Tobacco	2,958,005	2,947,785	2,656,352	2,548,399	2,795,990
Oil crops	13,285,937	13,219,881	14,656,680	15,466,338	17,755,891
Flaxseed	14,905	13,326	15,287	12,673	10,355
Peanuts	1,285,671	1,031,829	1,229,762	1,001,150	969,132
Soybeans	11,619,434	11,780,613	12,826,218	13,857,413	16,211,387
Sunflower	304,213	298,185	464,949	466,837	432,344
Sesame	306	300	350	352	NA
Vegetables	11,851,388	13,434,608	13,902,047	14,890,935	14,348,758
Beans, dry	488,875	522,707	611,148	609,049	663,875
Peas, dry	30,061	36,999	35,342	57,766	32,948
Lentils (beans)	28,814	30,090	25,613	34,899	21,094
Potatoes	2,002,295	2,342,344	2,486,729	2,464,550	2,699,259
Sweetpotatoes	156,463	162,168	181,290	196,720	205,620
Taro	3,002	2,760	2,806	3,264	2,891
Ginger root	6,380	5,247	5,220	5,046	7,050
Artichokes	43,447	45,762	61,557	61,965	58,729
Asparagus	173,015	167,645	177,641	177,974	157,001

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Beans, green lima	21,251	22,629	32,920	36,869	34,331
Beans, snap	250,787	271,039	293,089	282,664	284,328
Beets	5,879	6,623	8,113	8,814	8,092
Broccoli	284,423	277,663	374,049	414,804	402,610
Brussels sprouts	17,104	24,761	15,471	14,390	16,131
Cabbage	217,762	287,331	239,712	268,169	251,184
Carrots	352,733	295,852	336,756	426,282	377,642
Cauliflower	193,937	201,381	193,127	211,438	217,632
Celery	258,662	319,216	237,949	315,108	197,753
Corn, sweet	480,159	532,325	635,057	640,444	636,023
Cucumbers	295,186	296,389	283,534	286,002	311,962
Eggplant, all	20,650	17,721	20,886	16,225	15,766
Escarole	11,148	13,502	15,151	14,642	12,901
Garlic	102,854	132,470	183,852	140,700	145,592
Kale/collards	NA	NA	3,455	3,398	3,924
Lettuce	1,171,977	1,469,131	1,277,825	1,990,554	1,427,400
Onions	541,062	936,972	707,437	737,677	701,006
Peas, green	135,954	88,004	124,138	131,762	117,333
Peppers, green	386,153	437,480	456,245	452,906	462,377
Peppers, chili	67,379	56,077	55,868	44,840	65,460
Spinach	67,254	80,952	74,662	80,018	75,492
Tomatoes	1,906,363	1,711,985	1,745,910	1,604,977	1,603,232
Radishes	21,578	36,961	25,888	23,873	20,021
Squash	56,294	49,488	53,218	58,657	37,947
Miscellaneous vegetables	1,513,751	1,925,226	2,279,910	2,277,536	2,306,442
Cantaloups	251,059	297,055	300,618	350,698	400,795
Honeydews	63,811	68,888	68,184	89,193	91,265
Watermelons	223,866	261,765	271,677	357,062	275,650
Fruits/nuts	10,178,673	10,284,137	10,334,702	11,073,919	11,713,819
Grapefruit	372,390	316,395	323,121	312,194	299,875
Lemons	238,687	282,818	248,103	267,598	228,340
Limes	11,213	3,171	3,687	4,001	1,632
Oranges	1,473,551	1,522,351	1,655,244	1,711,810	1,798,311
Tangelos	14,994	20,361	13,508	16,942	17,470
Tangerines	99,313	87,984	75,126	126,623	97,315
Apples	1,589,220	1,361,328	1,352,718	1,578,502	1,846,052
Apricots	37,838	38,694	48,883	27,744	37,152
Avocados	205,176	139,592	260,340	240,185	238,910
Cherries	233,391	224,030	248,953	211,771	264,066
Dates	22,037	22,756	18,609	17,598	18,277
Figs	18,985	24,341	23,768	15,841	12,606
Grapes	1,846,216	2,000,601	1,888,164	2,044,622	2,334,020
Nectarines	73,710	102,421	68,168	93,990	115,029
Olives	90,585	56,974	38,977	50,065	102,588
Peaches	379,749	398,852	314,699	404,990	380,332
Pears	275,242	247,201	226,809	241,393	292,452
Pineapples	102,100	79,850	78,890	87,360	87,282
Plums and prunes	254,126	261,545	257,255	324,005	294,842
Coffee	4,080	6,525	12,040	16,200	20,150
Bananas	4,920	4,446	5,069	5,200	5,200
Papayas	14,415	13,673	13,831	18,494	18,488
Kiwifruit	13,833	16,502	18,413	15,089	13,368
Mangos	4,280	950	1,500	1,725	1,500
Guavas	1,896	2,171	2,549	2,378	2,331
Cranberries	214,767	196,820	230,795	223,938	246,248
Strawberries	698,004	670,753	837,038	812,312	770,324
Blueberries	128,616	111,233	108,417	122,283	143,572
Raspberries	85,715	83,335	92,958	74,307	71,480
Blackberry group	25,185	15,300	19,899	26,558	33,121
Other berries	87,129	90,109	93,106	94,436	91,374
Almonds	691,340	930,618	965,202	880,896	1,008,576
Filberts	15,304	25,963	17,604	35,611	16,329
Pecans	240,797	213,862	207,345	271,673	141,119
Walnuts	286,230	361,400	238,960	327,600	317,750
Macadamia nuts	32,640	32,980	36,225	37,740	44,070

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Pistachios	151,410	162,640	118,809	161,320	121,800
Miscellaneous fruits and nuts	138,214	152,653	169,317	168,020	179,563
All other crops	13,711,536	13,952,700	14,895,257	15,170,425	15,685,894
Maple products	39,125	23,493	32,248	28,719	42,169
Sugar beets	1,206,480	1,023,687	1,234,470	1,070,663	1,017,475
Cane for sugar	876,824	868,035	899,279	893,344	865,965
Alfalfa	50,003	41,330	57,800	55,836	57,754
Bentgrass	12,062	10,074	9,552	12,149	13,868
Bluegrass-Kentucky	22,316	28,491	24,634	25,632	33,175
Crimson clover	4,104	2,323	2,477	2,933	4,315
Fescue	43,309	46,257	37,610	48,378	96,168
Orchardgrass	8,865	9,593	11,887	13,690	9,752
Red clover	7,088	4,904	3,692	5,230	6,053
Sorghum Sudan crosses	4,000	3,000	5,000	4,000	5,000
Other seeds	269,705	294,866	300,887	317,383	315,140
Hops	129,445	133,965	134,701	135,087	123,944
Mint	141,368	113,627	136,847	157,906	154,612
Other field crops	503,291	529,852	675,544	607,609	666,127
Christmas trees	330,276	417,034	435,619	458,492	474,435
Greenhouse/nursery	9,286,612	9,592,179	10,021,195	10,440,668	10,887,058
Mushrooms	684,638	700,815	736,417	757,878	753,052
Alabama					
All commodities	2,727,271	2,857,095	2,951,334	2,871,842	3,173,595
Livestock and products	1,962,655	2,129,064	2,149,550	2,166,594	2,362,958
Meat animals	476,767	429,649	366,901	374,601	358,043
Cattle and calves	395,283	345,904	299,518	308,310	286,068
Hogs	81,272	83,483	67,181	66,221	71,856
Dairy products	72,500	72,562	72,912	66,920	70,520
Milk, wholesale	72,500	72,562	72,912	66,920	70,520
Poultry/eggs	1,368,509	1,577,222	1,658,173	1,663,476	1,869,708
Broilers	1,194,901	1,349,766	1,443,549	1,438,200	1,634,802
Farm chickens	2,570	8,611	7,193	5,811	7,048
Chicken eggs	170,188	217,845	205,431	216,465	225,358
Other poultry	850	1,000	2,000	3,000	2,500
Miscellaneous livestock	44,879	49,631	51,564	61,597	64,687
Aquaculture	32,247	40,087	41,058	50,909	52,795
All other livestock	12,000	9,000	10,000	10,000	11,000
Crops	764,616	728,031	801,784	705,248	810,637
Food grains	12,958	9,806	13,393	11,361	17,141
Wheat	12,958	9,806	13,393	11,361	17,141
Feed crops	58,011	50,161	58,770	56,278	70,571
Corn	38,690	28,540	35,137	37,820	51,609
Hay	16,990	18,990	20,526	17,273	17,805
Sorghum grain	1,209	1,741	1,762	693	466
Cotton	174,638	164,858	250,681	167,386	260,436
Cotton lint, all	160,111	151,591	232,769	155,516	236,305
Cottonseed	14,527	13,267	17,912	11,870	24,131
Tobacco	1,282	1,305	968	1,293	1,371
Oil crops	221,700	191,152	193,680	175,471	172,484
Peanuts	180,310	145,752	144,129	139,420	118,749
Soybeans	41,204	45,020	48,737	35,433	53,512

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vegetables	72,970	79,249	83,315	85,903	73,792
Potatoes	10,816	10,331	19,849	15,048	11,100
Spring	4,432	4,862	5,289	3,910	2,690
Summer	6,384	5,469	14,560	11,138	8,410
Sweetpotatoes	9,257	9,675	10,431	11,032	9,496
Corn, sweet	2,682	1,980	3,060	1,884	2,873
Tomatoes	6,495	14,595	8,870	7,907	9,350
Miscellaneous vegetables	40,000	35,000	36,000	43,000	35,000
Watermelons	1,635	5,506	2,736	3,971	3,572
Fruits/nuts	16,644	26,114	15,860	22,494	16,638
Peaches	3,756	4,277	3,760	5,985	253
Other berries	3,000	3,600	3,200	2,500	3,800
Pecans	4,780	10,890	3,160	8,452	7,440
Miscellaneous fruits and nuts	4,800	7,300	5,300	5,100	4,800
All other crops	206,413	205,386	185,117	185,062	198,204
Other seeds	2,200	1,200	1,600	2,300	2,800
Other field crops	3,300	3,200	3,800	3,600	5,400
Greenhouse/nursery	200,913	200,986	179,717	179,162	190,004
Floriculture	50,913	55,986	49,717	49,162	56,004
Other greenhouse	150,000	145,000	130,000	130,000	134,000
Alaska					
All commodities	25,735	26,799	27,890	29,702	29,418
Livestock and products	6,036	5,922	6,045	5,820	6,108
Meat animals	931	825	915	793	1,043
Dairy products	2,391	2,318	2,465	2,323	2,608
Milk, wholesale	2,326	2,253	2,395	2,253	2,538
Poultry/eggs	75	80	73	78	77
Other poultry	8	9	9	78	77
Miscellaneous livestock	2,639	2,699	2,592	2,626	2,380
Other livestock	2,633	2,692	2,582	2,617	2,374
Crops	19,699	20,877	21,845	23,882	23,310
Feed crops	1,903	2,386	2,828	3,421	2,068
Barley	362	419	509	884	666
Oats	18	98	105	161	72
Vegetables	2,573	3,102	2,898	3,556	3,029
Potatoes	1,653	2,022	1,843	2,344	1,698
Miscellaneous vegetables	920	1,080	1,055	1,212	1,331
All other crops	15,223	15,389	16,119	16,905	18,213
Other field crops	163	309	286	320	221
Greenhouse/nursery	15,060	15,080	15,833	16,585	17,992
Arizona					
All commodities	1,808,239	1,950,934	1,854,063	2,156,991	2,146,417
Livestock and products	896,498	918,321	804,343	810,226	838,827
Meat animals	612,436	624,308	479,480	470,295	427,213
Cattle and calves	583,514	591,201	446,060	433,953	384,228
Hogs	19,253	22,591	22,140	29,329	34,609
Sheep and lambs	9,669	10,516	11,280	7,013	8,376
Dairy products	236,607	244,970	278,506	284,288	356,990
Milk, wholesale	236,607	244,970	278,506	284,288	356,990

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Poultry/eggs	3,758	3,952	3,602	4,104	4,186
Other poultry	224	230	232	331	377
Miscellaneous livestock	43,697	45,091	42,755	51,539	50,438
Honey	2,079	2,202	1,414	2,670	1,613
Other livestock	40,590	42,257	40,676	48,006	48,132
Crops	911,741	1,032,613	1,049,720	1,346,765	1,307,590
Food grains	29,730	28,156	45,363	47,686	81,358
Wheat	29,730	28,156	45,363	47,686	81,358
Feed crops	47,210	74,526	87,959	78,025	110,626
Barley	3,915	4,607	5,276	3,806	16,165
Corn	1,437	4,460	4,728	8,141	14,992
Hay	34,168	50,959	63,545	51,742	55,454
Sorghum grain	2,640	4,200	3,510	2,880	8,505
Silage	5,050	10,300	10,900	11,456	15,510
Corn silage	3,250	8,500	9,100	6,656	12,150
Sorghum silage	1,800	1,800	1,800	4,800	3,360
Cotton	297,434	286,947	342,444	297,965	341,055
Cotton lint, all	268,359	253,591	308,085	265,130	300,489
Upland	207,255	196,150	265,113	241,345	260,857
Long staple	61,104	57,441	42,972	23,785	39,632
Cottonseed	29,075	33,356	34,359	32,835	40,566
Oil crops	6,041	5,952	7,033	4,402	4,146
Peanuts	342	925	750	499	528
Sesame	306	300	350	352	NA
Jojoba	4,500	1,200	1,800	2,250	2,340
Vegetables	312,966	426,010	361,539	718,880	554,637
Potatoes	10,912	11,963	12,003	13,127	16,436
Broccoli	14,770	21,503	21,817	36,232	25,135
Carrots	3,262	2,689	3,604	9,205	7,925
Cauliflower	19,558	20,930	22,984	28,920	25,410
Lettuce	172,422	260,548	185,057	489,019	305,683
Head	128,204	188,107	144,270	353,908	212,810
Other	6,654	4,378	5,244	16,356	6,365
Romaine	10,295	24,404	15,004	48,051	34,632
Leaf	27,269	43,659	20,539	70,704	51,876
Onions	4,418	10,342	5,308	5,331	6,559
Miscellaneous vegetables	34,327	25,735	45,563	41,496	56,257
Cantaloups	38,254	48,838	43,877	61,104	84,677
Honeydews	5,005	6,912	8,247	13,882	11,111
Watermelons	8,678	14,930	11,805	20,520	15,444
Fruits/nuts	146,362	130,963	119,103	113,006	120,309
Grapefruit	15,836	6,532	4,836	7,720	4,236
Fresh pink seedless	15,286	6,645	4,932	7,754	4,424
Lemons	52,156	49,895	37,660	39,035	47,229
Fresh	47,692	46,869	35,462	37,541	44,816
Processing	4,464	3,026	2,198	1,494	2,413
Oranges	12,717	13,273	8,216	7,556	7,895
Naval, fresh, early and mid	8,411	6,457	4,652	3,628	4,066
Valencias, fresh	4,328	6,814	3,595	4,021	3,993
Tangerines	16,442	11,367	11,837	8,452	10,055
Fresh	16,181	11,483	11,873	8,459	10,124
Apples	6,059	3,654	4,621	782	12,432
Fresh	2,577	900	1,000	80	1,776
Processing	3,482	2,754	3,621	702	10,656
Grapes	12,488	18,066	24,430	23,314	20,063
Miscellaneous fruits and nuts	4,764	6,901	5,303	5,997	7,859
All other crops	71,998	80,059	86,279	86,801	95,459
Other seeds	22,002	18,810	19,850	28,002	25,451

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Other field crops	2,031	1,995	3,151	2,909	1,763
Christmas trees	NA	NA	82	129	288
Greenhouse/nursery	47,965	59,254	63,196	55,761	67,957
Floriculture	12,515	21,354	22,796	12,061	22,787
Other greenhouse	35,450	37,900	40,400	43,700	45,170
Arkansas					
All commodities	4,657,525	4,355,259	5,394,516	5,089,646	5,886,786
Livestock and products	2,710,019	2,900,656	3,144,751	3,021,568	3,356,623
Meat animals	514,997	503,375	523,500	467,136	438,768
Cattle and calves	394,328	359,118	366,546	310,897	251,775
Hogs	120,537	144,197	156,802	155,998	186,710
Dairy products	106,057	101,592	101,748	98,394	107,680
Milk, wholesale	106,057	101,592	101,748	98,394	107,680
Poultry/eggs	2,008,754	2,202,270	2,420,426	2,343,688	2,687,575
Broilers	1,529,660	1,684,366	1,820,138	1,768,930	2,122,313
Farm chickens	8,970	16,675	16,575	13,385	10,696
Chicken eggs	264,974	285,829	329,593	294,353	299,950
Turkeys	196,650	205,000	224,400	241,020	231,616
Other poultry	8,500	11,400	29,720	26,000	23,000
Miscellaneous livestock	80,211	93,419	99,077	112,350	122,600
Honey	1,521	1,825	1,811	2,130	2,923
Aquaculture	71,203	83,810	89,986	102,827	112,214
Catfish	31,603	34,036	34,812	41,034	52,214
Other aquaculture	39,600	49,774	55,174	61,793	60,000
Other livestock	7,470	7,780	7,257	7,380	7,450
Crops	1,947,506	1,454,603	2,249,765	2,068,078	2,530,163
Food grains	662,060	362,091	811,168	683,791	940,080
Rice	533,170	242,562	687,311	513,839	644,295
Wheat	128,890	119,529	123,857	169,952	295,785
Feed crops	121,377	83,162	99,936	102,733	148,071
Corn	19,374	20,139	20,943	25,988	56,725
Hay	35,020	30,712	39,959	36,082	43,343
Oats	1,921	1,899	1,949	989	1,276
Sorghum grain	65,062	30,412	37,085	39,674	46,727
Cotton	539,187	379,995	557,577	590,473	624,783
Cotton lint, all	485,379	335,233	495,445	530,282	555,801
Cottonseed	53,808	44,762	62,132	60,191	68,982
Oil crops	561,984	572,068	719,423	627,118	763,497
Soybeans	561,752	571,773	719,189	626,937	763,365
Vegetables	24,582	18,756	24,419	26,076	19,820
Tomatoes	9,117	5,451	9,889	10,920	4,940
Miscellaneous vegetables	8,000	8,000	8,000	9,000	9,000
Watermelons	4,200	2,999	2,538	1,920	1,716
Fruits/nuts	10,088	11,592	10,031	14,397	10,135
Apples	1,010	1,810	1,225	1,360	1,169
Grapes	2,070	2,710	2,619	4,438	5,035
Peaches	2,652	3,069	1,960	3,189	171
Blueberries	1,812	1,928	1,652	1,800	1,480
Other berries	600	600	700	770	750
Pecans	1,571	990	1,440	1,820	1,080
Miscellaneous fruits and nuts	31	100	110	180	150
All other crops	28,228	26,939	27,211	23,490	23,777
Other seeds	3,500	1,500	500	1,200	1,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Other field crops	3,048	2,980	3,340	3,100	3,000
Greenhouse/nursery	21,680	22,436	23,348	19,167	19,754
Floriculture	11,680	11,936	12,348	9,167	9,754
Other greenhouse	10,000	10,500	11,000	10,000	10,000
California					
All commodities	19,038,850	20,333,634	21,559,141	22,522,620	23,309,526
Livestock and products	5,100,010	5,381,496	5,488,710	5,549,294	6,213,336
Meat animals	1,532,068	1,714,197	1,528,089	1,394,572	1,259,884
Cattle and calves	1,437,117	1,590,174	1,428,205	1,289,765	1,144,563
Hogs	41,432	50,537	45,186	35,887	41,895
Sheep and lambs	53,519	73,486	54,698	68,920	73,426
Dairy products	2,609,667	2,663,209	2,967,085	3,079,740	3,717,116
Milk, retail	80,428	66,921	97,107	189,991	270,698
Milk, wholesale	2,529,239	2,596,288	2,869,978	2,889,749	3,446,418
Poultry/eggs	873,557	874,988	874,611	932,903	1,096,499
Broilers	350,549	352,512	373,230	383,175	456,690
Farm chickens	1,482	1,651	1,058	910	812
Chicken eggs	277,944	265,988	255,277	288,369	367,317
Turkeys	219,929	208,980	193,242	212,520	221,738
Other poultry	23,653	45,857	51,804	47,929	49,942
Miscellaneous livestock	84,718	129,102	118,925	142,079	139,837
Honey	17,072	22,500	12,240	24,608	22,932
Wool	4,543	2,780	3,457	5,355	3,256
Aquaculture	11,694	13,258	9,767	12,055	11,384
Catfish	5,243	6,551	5,181	6,703	6,502
Trout	6,451	6,707	4,586	5,352	4,882
Other livestock	51,409	90,564	93,461	100,061	102,265
Crops	13,938,840	14,952,138	16,070,431	16,973,326	17,096,190
Food grains	391,020	267,409	551,142	410,996	568,025
Rice	217,102	147,207	394,808	264,700	319,880
Wheat	173,918	120,202	156,334	146,296	248,145
Feed crops	558,125	614,405	741,438	671,272	713,442
Barley	29,648	23,956	29,242	38,457	46,908
Corn	44,542	58,429	65,425	68,751	98,774
Hay	480,228	528,708	643,660	561,748	564,621
Oats	3,707	3,312	3,111	2,316	3,139
Cotton	1,129,663	1,050,028	1,219,967	1,323,382	1,190,503
Cotton lint, all	1,023,562	933,908	1,119,392	1,238,460	1,072,632
Upland	906,322	838,674	1,015,741	1,156,419	909,610
Long staple	117,240	95,234	103,651	82,041	163,022
Cottonseed	106,101	116,120	100,575	84,922	117,871
Oil crops	33,169	62,844	63,052	56,202	60,568
Vegetables	4,059,426	4,831,802	5,217,683	5,883,836	5,474,485
Beans, dry	71,615	67,301	81,298	94,944	92,338
Potatoes	134,255	180,695	171,643	171,924	179,266
Winter	18,926	27,136	19,333	21,519	26,144
Spring	65,127	95,459	88,369	82,008	84,674
Summer	22,495	19,844	26,741	29,890	25,403
Fall	27,707	38,256	37,200	38,507	43,045
Sweetpotatoes	47,473	40,221	45,682	56,784	51,579
Artichokes	43,447	45,762	61,557	61,965	58,729
Fresh	17,015	29,142	30,030	35,140	29,367
Broccoli	255,717	247,863	341,638	365,772	368,990
Brussels sprouts	17,104	24,761	15,471	14,390	16,131
Carrots	217,062	180,640	219,947	274,024	268,078

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Celery	190,445	230,545	194,181	283,894	179,433
Fresh	38,480	49,840	55,339	62,552	65,754
Corn, sweet, fresh	38,205	37,940	31,125	42,424	56,628
Garlic	102,854	132,470	183,852	140,700	145,592
Lettuce	926,237	1,135,240	1,033,085	1,453,601	1,084,331
Head	687,960	837,540	698,610	1,062,000	735,088
Romaine	84,165	98,952	125,832	157,136	151,099
Leaf	154,112	198,748	208,643	234,465	198,144
Onions	125,426	161,668	180,482	219,641	225,929
Spring	42,480	59,400	23,643	46,200	26,716
Summer, nonstorage	82,946	102,268	78,485	84,456	NA
Storage	NA	NA	78,354	88,985	199,213
Peppers, green	104,470	149,057	152,287	188,523	172,826
Spinach, fresh	26,117	39,990	36,621	43,470	42,803
Tomatoes	791,093	795,326	928,438	852,667	908,254
Desert or fresh	343,728	266,288	272,800	191,862	244,087
Processing	447,365	529,038	655,638	660,805	664,167
Miscellaneous vegetables	347,442	656,547	827,313	823,954	825,000
Cantaloups	161,280	188,955	179,145	205,178	232,342
Honeydews	40,950	44,088	45,177	54,155	67,802
Watermelons	52,320	59,094	71,164	91,005	79,002
Fruits/nuts	5,400,407	5,743,184	5,716,612	5,962,591	6,369,767
Grapefruit	44,739	52,675	53,393	52,644	55,878
Fresh pink seedless	14,137	14,995	14,712	53,932	56,429
Fresh white seedless	31,218	38,038	39,812	NA	NA
Lemons	183,894	230,044	207,768	226,484	178,264
Fresh	170,214	211,469	192,492	216,848	168,742
Processing	13,680	18,575	15,276	9,636	9,522
Oranges	492,373	470,364	475,089	516,631	492,751
Naval, fresh, early and mid	286,450	303,070	277,759	266,294	260,618
Naval, processing, early and mid	10,921	3,467	1,713	2,504	4,338
Valencias, fresh	194,012	171,360	200,640	256,200	239,787
Valencias, processing	990	599	1,597	3,359	3,316
Tangerines	34,412	26,963	26,135	32,296	14,669
Fresh	33,869	27,249	26,219	32,492	14,887
Apples	185,624	138,131	138,478	154,815	146,912
Fresh	148,030	104,634	100,365	110,485	103,933
Processing	37,594	33,497	38,113	44,330	42,979
Apricots	32,458	32,288	43,700	21,085	32,169
Avocados	197,092	135,678	247,794	228,606	226,239
Cherries	38,342	43,203	63,512	41,540	45,430
Dates	22,037	22,756	18,609	17,598	18,277
Figs	18,985	24,341	23,768	15,841	12,606
Grapes	1,684,850	1,823,455	1,718,322	1,859,900	2,154,422
Wine	843,000	866,382	855,915	965,150	1,192,185
Table	231,717	356,111	312,667	366,774	383,486
Raisins	610,133	600,962	549,740	527,976	578,751
Nectarines	73,710	102,421	68,168	93,990	115,029
Olives	90,585	56,974	38,977	50,065	102,588
Peaches	200,146	203,105	165,388	181,022	249,336
Freestone	79,510	90,072	67,918	93,175	134,826
Clingstone	120,636	113,033	97,470	87,847	114,510
Pears	82,983	77,806	70,269	62,183	89,728
Bartlett	74,970	68,287	60,904	52,453	76,594
Other	8,013	9,519	9,365	9,730	13,134
Plums and prunes	245,602	256,799	251,854	317,287	286,318
Plums	63,033	93,954	79,358	117,849	93,257
Prunes	182,569	162,845	172,496	199,438	193,061
Kiwifruit	13,833	16,502	18,413	15,089	13,368
Strawberries	513,028	457,855	647,575	611,002	584,860
Raspberries	48,276	39,000	30,000	23,325	25,520
Blackberry group	1,548	1,980	1,510	1,710	2,248
Other berries	NA	2,356	2,537	3,200	3,200
Almonds	691,340	930,618	965,202	880,896	1,008,576
Pecans	4,160	2,880	1,740	3,712	1,079

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Walnuts	286,230	361,400	238,960	327,600	317,750
Pistachios	151,410	162,640	118,809	161,320	121,800
Miscellaneous fruits and nuts	62,750	70,950	80,642	62,750	70,750
All other crops	2,367,030	2,382,466	2,560,537	2,665,047	2,719,400
Sugar beets	151,857	125,528	132,258	125,765	95,309
Alfalfa	34,068	24,116	40,381	38,520	38,500
Other seeds	60,517	94,086	95,623	83,312	83,763
Other field crops	79,276	80,150	146,606	114,442	114,380
Christmas trees	24,720	21,000	18,807	14,928	15,000
Greenhouse/nursery	1,882,421	1,902,610	1,986,450	2,140,928	2,223,707
Floriculture	685,785	639,404	701,448	690,928	723,707
Other greenhouse	1,196,636	1,263,206	1,285,002	1,450,000	1,500,000
Mushrooms, agaricus	129,831	130,564	135,435	141,266	142,456
Colorado					
All commodities	3,795,283	4,202,333	4,051,113	4,156,420	4,229,447
Livestock and products	2,764,612	2,992,409	2,764,169	2,742,570	2,759,135
Meat animals	2,452,888	2,668,409	2,412,908	2,375,542	2,360,673
Cattle and calves	2,336,630	2,485,036	2,224,165	2,164,531	2,071,753
Hogs	73,999	88,994	94,129	106,203	174,293
Sheep and lambs	42,259	94,379	94,614	104,808	114,627
Dairy products	189,386	189,285	214,160	206,240	245,769
Milk, retail	12,372	13,395	15,600	15,400	18,009
Milk, wholesale	177,014	175,890	198,560	190,840	227,760
Poultry/eggs	95,746	107,204	106,957	126,616	115,965
Chicken eggs	42,827	47,988	42,790	47,361	52,101
Other poultry	90	120	150	200	210
Miscellaneous livestock	26,592	27,511	30,144	34,172	36,728
Honey	2,270	2,244	1,915	1,971	1,754
Wool	4,406	2,600	3,317	4,316	3,152
Aquaculture	2,370	2,134	2,274	2,269	2,420
All other livestock	17,000	20,000	22,000	25,000	28,000
Crops	1,030,671	1,209,924	1,286,944	1,413,850	1,470,312
Food grains	216,382	261,040	299,196	417,920	391,596
Wheat	216,294	260,984	299,107	417,808	391,421
Feed crops	438,775	424,922	484,380	509,322	551,284
Barley	20,299	23,109	15,178	26,441	26,525
Corn	272,227	223,864	278,663	305,984	327,659
Hay	128,076	165,381	171,722	159,259	169,133
Oats	958	1,255	1,004	1,412	1,983
Sorghum grain	17,215	11,313	17,813	16,226	25,984
Oil crops	7,734	11,482	12,854	13,218	15,092
Sunflower	7,426	10,520	11,322	11,702	14,603
Vegetables	198,836	333,919	304,186	275,477	287,913
Beans, dry	43,160	69,128	55,413	45,261	53,928
Potatoes	64,730	110,296	130,638	119,626	123,874
Summer	10,517	13,038	14,878	17,041	15,104
Fall	54,213	97,258	115,760	102,585	108,770
Cabbage	2,336	4,859	6,365	3,534	7,293
Carrots	10,059	9,150	11,780	23,085	10,189
Corn, sweet	4,668	7,224	7,258	5,805	8,197
Cucumbers	1,139	2,010	1,728	956	1,080
Lettuce	16,116	11,275	6,970	6,564	4,158
Onions	45,145	102,274	63,865	53,712	60,803

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Spinach	6,786	10,185	8,670	5,075	4,290
Miscellaneous vegetables	3,500	5,000	7,000	9,000	10,000
Cantaloups	1,080	2,328	4,147	2,657	3,672
Fruits/nuts	18,710	22,051	21,780	20,292	17,263
Apples	10,841	13,495	12,981	8,881	5,853
Fresh	9,055	12,001	11,847	6,763	4,079
Processing	1,786	1,494	1,134	2,118	1,774
Peaches	5,165	5,287	5,742	7,932	7,934
Pears	1,137	1,670	1,097	1,000	480
Other berries	70	75	70	65	70
Miscellaneous fruits and nuts	950	1,300	1,500	2,000	2,500
All other crops	150,234	156,510	164,548	177,621	207,164
Sugar beets	37,683	35,482	33,772	25,311	36,533
Other seeds	950	900	950	930	900
Other field crops	14,000	15,000	12,000	13,000	15,000
Greenhouse/nursery	88,562	97,315	108,950	127,818	144,039
Floriculture	52,662	58,515	54,950	63,818	70,039
Other greenhouse	33,000	35,000	40,000	42,000	45,000
Greenhouse tomatoes	2,900	3,800	14,000	22,000	29,000
Connecticut					
All commodities	464,649	482,454	477,791	458,159	489,113
Livestock and products	252,014	268,933	253,549	227,696	236,700
Meat animals	16,758	18,951	16,077	15,089	13,248
Cattle and calves	15,374	17,488	14,868	13,900	11,295
Hogs	948	1,060	810	730	1,494
Dairy products	76,319	74,477	74,562	72,208	78,970
Milk, retail	2,679	2,805	3,116	3,628	4,558
Milk, wholesale	73,640	71,672	71,446	68,580	74,412
Poultry/eggs	90,805	107,368	100,966	72,073	76,178
Chicken eggs	75,905	84,803	80,757	52,707	58,583
Other poultry	12,685	20,000	18,230	17,680	16,987
Miscellaneous livestock	68,132	68,137	61,944	68,326	68,304
Aquaculture	61,753	61,753	55,558	61,881	61,881
Other livestock	6,305	6,310	6,318	6,352	6,343
Crops	212,635	213,521	224,242	230,463	252,413
Feed crops	4,559	4,045	4,669	4,613	4,397
Hay	4,559	4,045	4,669	4,613	4,397
Tobacco	30,075	21,310	24,861	4,294	7,623
Vegetables	21,608	24,763	24,941	24,614	26,763
Corn, sweet	5,648	7,755	7,975	7,560	7,911
Miscellaneous vegetables	15,960	17,008	16,966	17,054	18,852
Fruits/nuts	16,169	15,093	15,189	14,383	15,037
Apples	7,245	5,984	6,407	5,924	6,139
Fresh	6,603	5,306	5,771	5,246	5,336
Peaches	1,850	1,820	1,100	1,260	1,540
Other berries	5,037	5,245	5,433	4,704	4,771
Miscellaneous fruits and nuts	1,224	1,324	1,524	1,830	1,826
All other crops	140,224	148,310	154,582	182,559	198,593
Christmas trees	8,000	8,000	8,000	8,200	8,350
Greenhouse/nursery	99,452	107,881	111,542	118,251	123,149
Floriculture	35,452	40,881	41,542	46,251	49,149
Other greenhouse	64,000	67,000	70,000	72,000	74,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
<i>Thousand dollars</i>					
Delaware					
All commodities	609,110	611,550	659,963	678,633	757,036
Livestock and products	449,257	466,994	505,372	516,953	573,456
Meat animals	9,639	14,822	9,942	7,102	9,782
Cattle and calves	4,440	8,932	3,163	2,566	4,494
Hogs	5,191	5,874	6,764	4,520	5,270
Dairy products	19,208	19,564	19,454	19,008	21,114
Milk, wholesale	19,208	19,564	19,454	19,008	21,114
Poultry/eggs	417,087	429,266	472,606	487,439	539,137
Broilers	401,798	414,528	458,615	474,096	524,216
Chicken eggs	14,623	14,310	13,680	12,995	14,578
Other poultry	42	44	46	48	49
Miscellaneous livestock	3,323	3,342	3,370	3,404	3,423
Other livestock	3,300	3,320	3,350	3,380	3,400
Crops	159,853	144,556	154,591	161,680	183,580
Food grains	10,905	10,105	11,821	17,005	18,117
Wheat	10,905	10,105	11,821	17,005	18,117
Feed crops	27,470	21,254	23,593	26,580	39,230
Barley	2,542	2,445	1,801	3,001	2,823
Corn	23,656	17,656	20,536	22,500	35,176
Hay	1,272	1,153	1,256	1,079	1,231
Oil crops	37,438	30,779	36,557	28,271	40,953
Soybeans	37,376	30,748	36,542	28,251	40,935
Vegetables	42,281	39,768	37,255	47,896	43,528
Potatoes	10,083	7,232	6,855	11,836	9,971
Beans, snap, fresh	238	485	432	759	496
Miscellaneous vegetables	16,645	15,825	13,767	14,205	14,400
Watermelons	2,214	3,240	1,795	4,704	3,276
Fruits/nuts	4,221	4,305	4,853	3,316	4,183
Apples	3,066	2,975	3,335	1,945	2,558
Other berries	380	403	480	508	640
Miscellaneous fruits and nuts	85	87	89	91	92
All other crops	37,538	38,345	40,512	38,612	37,569
Other seeds	23	24	25	26	26
Other field crops	6,729	7,048	8,638	7,518	6,975
Christmas trees	NA	NA	305	304	304
Greenhouse/nursery	27,509	27,523	27,665	27,850	27,895
Mushrooms, agaricus	3,277	3,739	3,868	2,887	2,342
Florida					
All commodities	6,140,095	6,078,015	6,046,641	5,955,589	6,130,658
Livestock and products	1,165,874	1,211,131	1,194,533	1,137,759	1,188,193
Meat animals	362,616	377,674	348,328	301,491	231,576
Cattle and calves	349,447	362,495	335,837	289,802	217,008
Hogs	13,126	15,106	12,399	11,581	14,441
Dairy products	401,700	385,503	408,408	363,528	431,280
Milk, wholesale	401,700	385,503	408,408	363,528	431,280
Poultry/eggs	259,678	298,831	291,605	315,475	353,469
Broilers	164,856	187,714	191,151	218,361	230,607
Farm chickens	3,028	3,569	1,406	895	88

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Chicken eggs	91,104	106,838	98,348	95,519	122,064
Other poultry	690	710	700	700	710
Miscellaneous livestock	141,880	149,123	146,192	157,265	171,868
Honey	12,126	11,300	9,080	12,659	22,932
Other livestock	128,023	137,450	136,820	144,307	148,780
Crops	4,974,221	4,866,884	4,852,108	4,817,830	4,942,465
Food grains	2,349	2,268	1,717	1,255	1,534
Wheat	2,349	2,268	1,717	1,255	1,534
Feed crops	24,506	22,895	25,070	23,882	30,643
Corn	11,117	12,094	11,045	12,033	19,092
Hay	13,389	10,801	14,025	11,849	11,551
Cotton	20,502	23,393	37,916	38,598	47,432
Cotton lint, all	18,285	20,590	34,751	35,004	41,809
Tobacco	31,729	30,638	27,248	30,907	31,021
Oil crops	65,312	65,815	65,860	57,783	64,657
Peanuts	57,886	57,684	58,302	52,551	59,040
Soybeans	7,375	8,091	7,490	5,165	5,545
Vegetables	1,756,993	1,688,676	1,448,371	1,321,518	1,303,167
Potatoes	92,359	128,194	118,655	84,010	81,926
Winter	35,420	42,234	54,584	27,168	4,206
Spring	30,174	51,260	41,295	34,904	59,747
Other	26,765	34,700	22,776	21,938	17,973
Beans, snap, fresh	71,271	70,517	59,076	63,206	70,960
Carrots	20,228	25,551	11,252	16,971	12,768
Corn, sweet	73,149	102,588	105,232	108,423	92,879
Cucumbers	86,097	80,010	58,200	51,081	78,920
Fresh	78,747	72,072	47,488	37,795	54,426
Processing	7,350	7,938	10,712	13,286	24,494
Eggplant, all	17,410	13,075	15,606	14,005	11,424
Escarole	7,000	7,611	8,969	9,440	5,300
Lettuce	18,128	26,770	16,884	10,118	6,985
Head	13,948	21,249	13,080	NA	NA
Romaine	2,916	3,763	2,702	7,794	5,565
Leaf	1,264	1,758	1,102	2,324	1,420
Peppers, green	209,630	215,939	197,465	177,188	211,554
Tomatoes, fresh	821,805	607,464	465,663	414,966	381,996
Radishes	21,578	36,961	25,888	23,873	20,021
Squash	45,850	38,170	43,216	41,686	27,297
Miscellaneous vegetables	135,322	167,162	212,014	216,019	221,086
Watermelons	66,150	66,600	57,868	62,700	49,980
Fruits/nuts	1,496,193	1,487,798	1,619,356	1,688,828	1,774,086
Grapefruit	309,484	239,353	251,406	232,392	219,664
Fresh pink seedless	135,450	109,834	101,495	90,872	108,248
Processing pink seedless	29,621	23,947	22,135	24,402	14,550
Fresh white seedless	67,108	44,420	61,625	46,981	40,997
Processing white seedless	70,820	55,529	62,645	65,618	51,597
Processing, other	6,485	5,623	3,506	4,519	4,272
Lemons	2,637	2,879	2,675	2,079	2,847
Limes	11,213	3,171	3,687	4,001	1,632
Fresh	10,445	3,011	3,546	3,837	1,541
Oranges	966,764	1,033,810	1,168,788	1,179,082	1,290,577
Naval, fresh, early and mid	46,217	58,621	46,149	50,479	60,635
Naval, processing, early and mid	418,160	545,101	666,548	572,962	539,631
Valencias, fresh	32,439	16,721	18,819	26,320	30,704
Valencias, processing	449,969	400,924	424,585	514,391	644,423
Temple, fresh	8,819	5,966	5,142	5,581	5,767
Temple, processing	11,160	6,477	7,545	9,349	9,417

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Tangelos	14,994	20,361	13,508	16,942	17,470
Fresh	9,863	11,024	7,008	8,738	8,789
Processing	5,131	9,337	6,500	8,204	8,681
K-early citrus	3,434	3,143	4,606	6,914	9,221
Avocados	7,701	3,608	12,320	11,324	12,408
Mangos	4,280	950	1,500	1,725	1,500
Strawberries	108,864	121,313	101,425	118,608	112,632
Blueberries	3,752	1,300	5,690	5,050	4,965
Other berries	100	100	100	100	100
Pecans	3,770	3,460	1,600	945	1,095
Miscellaneous fruits and nuts	12,800	6,900	18,900	29,800	35,700
All other crops	1,576,637	1,545,401	1,626,570	1,655,059	1,689,925
Cane for sugar	471,087	442,738	459,911	458,205	461,741
Other seeds	4,200	4,200	4,300	4,400	4,400
Other field crops	32,275	39,169	37,687	37,028	37,898
Christmas trees	1,000	1,000	1,000	1,000	1,000
Greenhouse/nursery	1,027,694	1,017,655	1,080,986	1,109,773	1,140,419
Floriculture	552,694	542,655	600,986	629,773	660,419
Other greenhouse	475,000	475,000	480,000	480,000	480,000
Mushrooms, agaricus	40,354	40,608	42,455	44,377	44,427
Georgia					
All commodities	4,071,451	4,232,361	4,687,582	5,136,236	5,687,046
Livestock and products	2,284,587	2,548,528	2,670,995	2,788,594	3,279,260
Meat animals	436,135	463,897	418,419	428,819	404,196
Cattle and calves	267,564	287,403	269,535	284,886	236,328
Hogs	168,410	176,359	148,532	143,702	167,612
Dairy products	229,860	226,510	238,183	222,046	241,561
Milk, retail	2,605	3,070	2,763	3,256	3,581
Milk, wholesale	227,255	223,440	235,420	218,790	237,980
Poultry/eggs	1,583,335	1,822,378	1,975,433	2,102,238	2,588,655
Broilers	1,268,096	1,501,440	1,653,225	1,771,920	2,205,294
Farm chickens	11,022	13,866	10,284	8,414	11,233
Chicken eggs	269,654	276,580	282,045	289,545	348,002
Turkeys	24,596	18,399	17,227	19,331	7,308
Other poultry	9,967	12,093	12,652	13,028	16,818
Miscellaneous livestock	35,257	35,743	38,960	35,491	44,848
Honey	3,086	2,733	2,873	3,081	4,539
All other livestock	27,514	28,842	31,824	28,885	31,423
Crops	1,786,864	1,683,833	2,016,587	2,347,642	2,407,786
Food grains	45,606	41,770	56,259	42,677	88,477
Rye	2,192	2,096	3,420	2,191	3,488
Wheat	43,414	39,674	52,839	40,486	84,989
Feed crops	151,720	111,335	139,857	117,782	167,735
Corn	119,981	86,500	101,972	85,088	133,287
Hay	26,408	19,749	31,472	29,794	31,274
Oats	2,802	1,986	2,739	1,022	1,700
Sorghum grain	2,529	3,100	3,674	1,878	1,474
Cotton	219,979	241,824	391,759	741,333	781,640
Cotton lint, all	202,987	224,626	365,735	701,209	727,696
Cottonseed	16,992	17,198	26,024	40,124	53,944
Tobacco	170,101	156,805	135,854	148,505	176,320
Oil crops	638,942	504,517	612,401	480,989	446,117
Peanuts	551,601	428,899	532,712	417,902	388,552
Soybeans	85,952	74,210	76,142	59,991	56,482

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vegetables	267,081	281,555	340,542	434,069	378,469
Sweetpotatoes	6,342	4,916	4,281	4,128	4,681
Beans, green lima	4,428	3,264	4,350	5,280	4,216
Beans, snap, fresh	16,414	13,000	16,072	16,800	14,208
Cabbage	13,680	33,418	24,300	35,340	33,867
Corn, sweet	16,029	11,622	33,660	35,000	23,976
Cucumbers, fresh	NA	16,380	23,814	28,800	21,257
Onions	35,204	44,372	40,510	66,738	53,800
Tomatoes	36,112	25,480	34,965	56,823	43,740
Miscellaneous vegetables	110,842	103,095	124,142	117,684	126,602
Cantaloups	5,920	4,648	6,563	10,010	13,923
Watermelons	19,236	18,900	25,500	54,285	32,400
Fruits/nuts	91,002	128,714	102,698	127,724	77,944
Apples	4,488	4,541	3,051	4,251	3,680
Grapes	2,630	3,035	2,481	3,318	3,517
Peaches	26,714	32,245	27,549	29,657	3,380
Blueberries	9,090	2,610	4,125	7,760	4,415
Other berries	1,020	612	1,674	1,579	887
Pecans	45,060	83,560	62,900	79,961	61,884
Miscellaneous fruits and nuts	2,000	2,111	918	1,198	181
All other crops	202,433	217,313	237,217	254,563	291,084
Other seeds	4,744	5,959	5,768	7,602	8,000
Other field crops	3,408	3,165	3,583	4,257	4,529
Greenhouse/nursery	191,200	204,900	223,300	237,300	273,000
Floriculture	40,260	44,933	47,540	54,250	54,397
Other greenhouse	150,940	159,967	175,760	183,050	218,603
Mushrooms, agaricus	NA	3,289	4,126	4,964	5,115
Hawaii					
All commodities	526,167	507,498	508,732	494,465	482,589
Livestock and products	89,154	85,257	76,821	71,861	65,995
Meat animals	35,842	33,414	26,059	21,506	18,719
Cattle and calves	29,235	26,860	19,700	14,639	11,905
Hogs	6,521	6,293	6,175	6,672	6,585
Dairy products	32,495	32,035	31,747	32,146	29,234
Milk, wholesale	32,495	32,035	31,747	32,146	29,234
Poultry/eggs	18,841	17,459	16,723	15,662	15,200
Broilers	2,807	2,256	2,575	1,995	2,080
Chicken eggs	15,846	15,005	13,959	13,516	12,963
Other poultry	10	20	20	20	20
Miscellaneous livestock	1,976	2,349	2,292	2,547	2,842
Other livestock	1,233	1,490	1,758	1,897	1,819
Crops	437,013	422,241	431,911	422,604	416,594
Vegetables	38,787	36,717	39,710	42,096	39,472
Taro	3,002	2,760	2,806	3,264	2,891
Ginger root	6,380	5,247	5,220	5,046	7,050
Cucumbers	1,715	1,656	1,547	1,600	NA
Peppers, green	1,596	1,425	1,325	1,392	1,273
Tomatoes	2,976	3,024	2,548	2,910	3,630
Miscellaneous vegetables	17,383	16,938	20,372	20,655	19,000
Watermelons	1,280	1,696	2,208	3,120	2,788
Fruits/nuts	161,209	141,509	150,624	169,488	179,932
Pineapples	102,100	79,850	78,890	87,360	87,282
Coffee	4,080	6,525	12,040	16,200	20,150
Bananas	4,920	4,446	5,069	5,200	5,200
Papayas	14,415	13,673	13,831	18,494	18,488

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Guavas	1,896	2,171	2,549	2,378	2,331
Macadamia nuts	32,640	32,980	36,225	37,740	44,070
Miscellaneous fruits and nuts	775	1,558	1,794	1,861	2,148
All other crops	237,017	244,015	241,577	211,020	197,190
Cane for sugar	159,103	165,938	163,066	131,461	108,334
Other seeds	7,319	7,500	9,600	9,640	12,230
Other field crops	804	915	1,728	2,048	2,075
Greenhouse/nursery	69,679	69,513	67,005	67,787	74,487
Floriculture	45,145	48,893	46,281	45,213	51,987
Other greenhouse	24,534	20,620	20,724	22,574	22,500
Idaho					
All commodities	2,732,107	2,887,907	2,950,426	3,153,399	3,409,945
Livestock and products	1,145,224	1,167,072	1,199,068	1,221,284	1,329,258
Meat animals	715,919	717,124	677,825	645,388	603,629
Cattle and calves	693,414	691,870	652,120	618,134	573,575
Hogs	8,318	10,351	9,475	9,153	9,830
Sheep and lambs	14,187	14,903	16,230	18,101	20,224
Dairy products	370,800	387,960	456,330	508,130	652,605
Milk, wholesale	370,800	387,960	456,330	508,130	652,605
Poultry/eggs	11,499	13,208	14,135	12,470	15,464
Chicken eggs	11,164	12,837	13,716	12,039	15,050
Other poultry	294	320	346	374	405
Miscellaneous livestock	47,006	48,780	50,778	55,296	57,560
Honey	3,580	4,910	3,896	4,140	4,455
Wool	1,718	1,202	1,533	1,904	1,381
Aquaculture	28,450	29,180	30,174	33,197	32,232
Other livestock	13,258	13,488	15,175	16,055	19,492
Mink pelts	4,712	4,522	5,763	6,155	9,054
All other livestock	8,546	8,966	9,412	9,900	10,438
Crops	1,586,883	1,720,835	1,751,358	1,932,115	2,080,687
Food grains	336,260	310,042	323,645	399,053	483,914
Wheat	336,260	310,042	323,645	399,053	483,914
Feed crops	264,050	324,216	316,552	345,601	370,322
Barley	124,618	124,838	125,435	145,488	155,296
Corn	12,699	8,657	10,866	11,118	14,781
Hay	125,662	189,618	179,399	187,832	198,405
Oats	1,071	1,103	852	1,163	1,840
Oil crops	2,794	4,181	7,749	7,570	3,604
Vegetables	626,190	723,399	719,457	818,041	848,101
Beans, dry	35,639	39,278	53,262	43,882	45,528
Peas, dry	14,299	16,292	15,192	23,187	13,467
Dry, edible	8,041	6,862	9,475	15,014	6,726
Wrinkled seed	5,360	8,020	5,189	6,902	5,467
Austrian winter	898	1,410	528	1,271	1,274
Lentils (beans)	10,819	12,600	12,903	17,154	8,272
Potatoes	513,634	557,472	572,811	675,663	715,708
Corn, sweet	8,737	10,422	9,012	9,293	12,263
Onions	33,637	78,754	50,989	41,910	47,410
Miscellaneous vegetables	2,600	2,782	2,977	3,185	3,408
Fruits/nuts	23,333	23,073	25,078	22,694	35,209
Apples	17,139	16,642	17,437	15,056	22,147
Fresh	15,165	13,562	14,786	11,071	16,549
Processing	1,974	3,080	2,651	3,985	5,598
Cherries	1,073	1,108	1,882	1,092	2,681
Peaches	1,372	1,597	1,264	1,380	3,855

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Plums and prunes	1,168	847	1,355	1,863	3,055
Other berries	144	151	159	167	177
Miscellaneous fruits and nuts	2,437	2,728	2,981	3,136	3,294
All other crops	334,256	335,924	358,877	339,156	339,537
Sugar beets	194,040	195,000	213,104	191,484	184,073
Other seeds	58,888	60,415	57,380	55,984	57,618
Hops	9,373	9,637	11,035	9,610	8,282
Mint	18,818	15,511	19,736	21,859	26,587
Peppermint	14,423	13,032	18,048	20,064	24,781
Spearmint	4,395	2,479	1,688	1,795	1,806
Other field crops	926	982	883	941	1,005
Christmas trees	4,646	4,971	5,319	5,691	6,089
Greenhouse/nursery	47,143	49,068	51,106	53,265	55,553
Illinois					
All commodities	7,435,290	8,149,782	7,946,671	8,462,436	9,049,998
Livestock and products	2,165,579	2,233,581	2,050,196	1,925,935	2,061,103
Meat animals	1,754,414	1,824,789	1,621,536	1,528,778	1,609,675
Cattle and calves	707,872	703,989	671,069	622,257	564,158
Hogs	1,037,381	1,112,479	942,568	898,861	1,038,640
Sheep and lambs	9,161	8,321	7,899	7,660	6,877
Dairy products	331,569	318,150	334,894	303,104	345,300
Milk, wholesale	331,569	318,150	334,894	303,104	345,300
Poultry/eggs	62,539	73,761	76,346	76,478	87,636
Chicken eggs	32,040	39,678	40,960	43,434	51,790
Turkeys	29,274	32,508	33,660	31,450	33,914
Other poultry	750	50	50	50	50
Miscellaneous livestock	17,057	16,881	17,420	17,575	18,492
Other livestock	15,924	15,867	15,935	16,170	17,080
Mink pelts	1,414	1,357	1,425	1,660	2,570
All other livestock	14,510	14,510	14,510	14,510	14,510
Crops	5,269,711	5,916,201	5,896,475	6,536,501	6,988,895
Food grains	178,411	170,690	179,610	251,290	182,280
Wheat	177,837	170,238	179,244	250,706	181,673
Feed crops	2,604,174	3,000,424	2,952,141	3,460,381	3,642,132
Corn	2,492,737	2,892,702	2,849,442	3,374,910	3,545,576
Hay	71,062	67,313	69,098	50,000	55,631
Oats	6,004	2,882	2,555	3,991	4,329
Sorghum grain	34,371	37,527	31,046	31,480	36,596
Oil crops	2,104,919	2,379,556	2,386,076	2,449,197	2,784,742
Soybeans	2,103,620	2,378,341	2,384,973	2,447,662	2,783,554
Vegetables	78,493	72,055	81,194	73,420	82,692
Potatoes	6,398	5,783	7,695	7,986	11,154
Beans, snap	9,547	8,815	10,472	8,672	14,963
Cabbage, fresh	1,841	1,430	1,530	1,392	2,185
Corn, sweet	24,813	23,169	28,601	21,295	25,341
Fresh	9,074	7,070	10,304	8,553	11,026
Processing	15,739	16,099	18,297	12,742	14,315
Miscellaneous vegetables	22,500	22,500	22,500	22,500	22,500
Fruits/nuts	25,559	21,864	13,160	21,892	18,444
Apples	17,591	14,379	8,624	14,824	14,804
Fresh	16,070	13,262	8,126	13,566	13,766
Processing	1,521	1,117	498	1,258	1,038
Peaches	4,968	4,485	1,536	4,068	640
Other berries	3,000	3,000	3,000	3,000	3,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
All other crops	278,155	271,612	284,294	280,321	278,605
Other seeds	1,200	1,200	1,200	1,200	1,200
Other field crops	13,300	13,300	13,300	13,300	13,300
Greenhouse/nursery	224,688	218,314	229,432	220,506	218,456
Floriculture	74,688	68,314	79,432	70,506	68,456
Other greenhouse	150,000	150,000	150,000	150,000	150,000
Indiana					
All commodities	4,443,624	5,282,867	4,664,044	5,187,002	5,558,099
Livestock and products	1,818,061	1,882,795	1,733,723	1,758,704	1,894,655
Meat animals	1,057,690	1,122,323	975,413	1,009,626	1,015,509
Cattle and calves	320,881	327,674	301,165	280,149	183,202
Hogs	732,307	791,341	670,002	725,701	829,748
Sheep and lambs	4,502	3,308	4,246	3,776	2,559
Dairy products	299,117	286,650	295,738	278,272	312,522
Milk, wholesale	299,117	286,650	295,738	278,272	312,522
Poultry/eggs	447,830	459,727	448,417	456,201	552,750
Farm chickens	3,906	1,607	1,176	624	613
Chicken eggs	211,751	246,007	230,801	236,328	320,129
Turkeys	146,824	140,423	144,480	140,750	151,102
Other poultry	58,693	42,050	40,850	45,050	44,050
Miscellaneous livestock	13,424	14,095	14,155	14,605	13,874
All other livestock	12,803	13,288	13,413	13,775	13,012
Crops	2,625,563	3,400,072	2,930,321	3,428,298	3,663,444
Food grains	77,195	95,452	103,817	164,553	117,583
Wheat	76,983	95,243	103,649	164,391	117,518
Feed crops	1,240,333	1,717,411	1,374,560	1,700,341	1,822,479
Corn	1,201,143	1,675,767	1,332,123	1,661,686	1,784,351
Hay	37,256	40,087	41,766	36,671	36,804
Oats	1,934	1,557	671	1,984	1,324
Tobacco	35,187	33,383	29,164	22,334	21,500
Oil crops	1,018,321	1,322,454	1,174,112	1,304,641	1,453,442
Soybeans	1,018,177	1,322,328	1,173,999	1,304,531	1,453,360
Vegetables	75,790	83,300	89,585	88,241	98,431
Potatoes	6,028	6,259	7,343	6,944	8,585
Beans, snap	1,400	1,678	2,007	2,140	228
Corn, sweet, fresh	7,390	9,589	8,817	8,221	9,332
Cucumbers	2,128	1,650	2,317	2,179	1,711
Tomatoes	18,462	17,641	23,081	18,641	25,320
Fresh	5,460	5,670	5,928	5,399	9,979
Processing	13,002	11,971	17,153	13,242	15,341
Miscellaneous vegetables	29,615	30,781	31,905	33,165	34,615
Cantaloups	3,780	6,528	5,742	6,637	8,687
Watermelons	6,169	8,020	7,828	9,969	9,626
Fruits/nuts	22,078	22,497	18,829	25,007	24,791
Apples	11,312	11,742	10,066	12,890	12,611
Fresh	9,981	10,633	9,459	11,411	11,672
Processing	1,331	1,109	607	1,479	939
Peaches	2,658	2,753	NA	1,769	1,041
Blueberries	1,745	1,352	1,847	2,442	2,462
Other berries	5,883	6,090	6,276	6,658	7,270
Miscellaneous fruits and nuts	480	560	640	1,248	1,407

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
All other crops	156,659	125,575	140,254	123,181	125,218
Other seeds	305	288	278	303	314
Mint	14,564	10,944	13,429	15,763	9,444
Peppermint	10,764	8,294	10,716	13,387	8,613
Spearmint	3,800	2,650	2,713	2,376	831
Other field crops	37,590	29,110	34,034	19,320	26,634
Christmas trees	NA	NA	6,000	6,500	6,800
Greenhouse/nursery	90,577	71,391	72,790	67,187	66,868
Floriculture	42,252	43,691	43,190	36,387	34,568
Other greenhouse	48,325	27,700	29,600	30,800	32,300
Mushrooms	13,623	13,842	13,723	14,108	15,158
Iowa					
All commodities	10,786,444	10,386,925	10,004,286	11,256,486	12,852,687
Livestock and products	5,646,173	5,781,234	5,230,873	5,022,267	5,456,780
Meat animals	4,900,429	5,009,971	4,451,497	4,224,977	4,503,166
Cattle and calves	2,144,651	2,160,888	1,856,502	1,717,598	1,461,149
Hogs	2,732,215	2,820,048	2,571,601	2,480,163	3,003,970
Sheep and lambs	23,563	29,035	23,394	27,216	38,047
Dairy products	507,650	506,112	498,585	501,480	546,070
Milk, wholesale	507,650	506,112	498,585	501,480	546,070
Poultry/eggs	222,495	248,941	262,031	276,208	384,683
Broilers	27,999	30,150	29,700	25,200	28,638
Chicken eggs	95,282	125,077	126,299	156,168	246,792
Turkeys	90,558	87,780	99,968	88,608	101,936
Other poultry	7,400	4,800	5,500	5,950	6,632
Miscellaneous livestock	15,599	16,210	18,760	19,602	22,861
Honey	2,297	1,646	2,360	2,618	3,808
Other livestock	12,505	13,904	15,762	15,742	18,273
Mink pelts	2,505	2,404	2,762	2,742	4,848
All other livestock	10,000	11,500	13,000	13,000	13,425
Crops	5,140,271	4,605,691	4,773,413	6,234,219	7,395,907
Food grains	5,003	2,405	5,768	5,514	6,866
Wheat	5,003	2,405	5,768	5,514	6,866
Feed crops	3,030,127	2,755,944	2,626,001	3,711,518	4,396,211
Corn	2,913,216	2,643,773	2,509,485	3,607,232	4,290,116
Hay	101,514	106,164	104,557	92,021	94,560
Oats	15,397	6,007	11,959	12,265	11,535
Oil crops	2,026,931	1,784,588	2,055,434	2,425,006	2,892,171
Soybeans	2,026,910	1,784,588	2,055,434	2,425,006	2,892,171
Vegetables	10,735	5,642	14,619	16,943	23,823
Potatoes	1,226	643	1,724	1,243	1,065
Miscellaneous vegetables	5,043	3,278	9,139	13,057	17,445
Fruits/nuts	3,639	2,793	3,145	3,422	3,313
Apples	3,125	2,459	2,629	2,725	2,687
Other berries	462	300	464	641	570
Miscellaneous fruits and nuts	52	34	52	56	56
All other crops	63,836	54,319	68,446	71,816	73,523
Other seeds	2,054	1,336	2,062	2,138	2,218
Other field crops	5,060	3,289	5,081	5,112	5,413
Christmas trees	1,260	1,260	1,260	1,260	1,580
Greenhouse/nursery	55,335	48,313	59,922	63,186	64,194
Floriculture	32,481	33,458	36,977	39,401	39,655
Other greenhouse	22,854	14,855	22,945	23,785	24,539

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Kansas					
All commodities	7,171,576	7,327,173	7,623,574	7,571,861	7,869,209
Livestock and products	4,799,566	4,857,683	4,757,974	4,536,372	4,570,327
Meat animals	4,590,655	4,660,515	4,546,827	4,321,055	4,334,357
Cattle and calves	4,306,486	4,365,297	4,294,531	4,080,676	3,994,745
Hogs	271,867	281,042	240,066	228,929	328,025
Sheep and lambs	12,302	14,176	12,230	11,450	11,587
Dairy products	151,074	135,255	142,208	143,418	168,270
Milk, wholesale	151,074	135,255	142,208	143,418	168,270
Poultry/eggs	19,446	23,515	26,717	32,045	37,088
Chicken eggs	11,330	12,275	11,381	11,917	15,068
Turkeys	7,240	10,578	14,448	19,712	21,560
Other poultry	262	262	393	336	300
Miscellaneous livestock	38,391	38,398	42,222	39,854	30,612
Other livestock	36,049	36,753	40,757	37,448	28,853
Crops	2,372,010	2,469,490	2,865,600	3,035,489	3,298,882
Food grains	1,051,963	1,145,232	1,374,854	1,324,638	1,184,123
Wheat	1,051,782	1,144,264	1,373,979	1,323,850	1,183,561
Feed crops	906,113	901,870	990,149	1,247,675	1,563,005
Barley	1,522	1,192	979	801	952
Corn	454,138	399,076	526,307	643,496	782,902
Hay	98,329	131,333	123,781	88,945	96,944
Oats	4,644	2,245	2,838	3,318	3,910
Sorghum grain	347,480	368,024	336,244	511,115	678,297
Cotton	172	115	375	324	1,033
Oil crops	335,472	351,314	432,246	402,397	495,028
Soybeans	322,913	327,292	405,277	366,075	455,183
Sunflower	12,522	23,965	26,910	36,237	39,685
Vegetables	33,908	27,571	21,950	16,252	16,511
Beans, dry	6,848	8,271	9,884	8,996	10,037
Miscellaneous vegetables	27,060	19,300	12,066	7,256	6,474
Fruits/nuts	7,705	4,191	6,640	3,516	1,698
Other berries	1,990	2,045	1,535	830	306
Miscellaneous fruits and nuts	970	410	423	417	477
All other crops	36,677	39,197	39,386	40,687	37,484
Other seeds	1,981	1,680	2,510	4,025	1,125
Other field crops	5,147	7,097	4,130	2,953	3,281
Greenhouse/nursery	29,549	30,420	32,746	33,709	33,078
Floriculture	24,049	22,420	24,246	24,909	23,838
Other greenhouse	5,500	8,000	8,500	8,800	9,240

Kentucky

All commodities	3,194,013	3,405,918	3,221,796	3,100,485	3,550,232
Livestock and products	1,631,692	1,724,765	1,648,936	1,615,494	1,718,885
Meat animals	830,657	916,901	780,839	668,648	641,354
Cattle and calves	683,158	768,130	648,095	548,246	484,705
Hogs	146,334	147,803	131,653	119,132	155,898
Sheep and lambs	1,165	968	1,091	1,270	751
Dairy products	284,275	274,030	267,297	263,925	279,048
Milk, wholesale	284,275	274,030	267,297	263,925	279,048

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Poultry/eggs	79,156	88,326	107,744	119,995	166,716
Broilers	48,496	52,200	71,190	82,560	122,507
Chicken eggs	30,233	35,643	36,097	37,006	43,824
Other poultry	72	107	110	98	83
Miscellaneous livestock	437,604	445,508	493,056	562,926	631,767
Horses/mules	433,000	441,000	489,000	559,000	628,000
Other livestock	2,948	2,987	2,963	2,988	2,988
Crops	1,562,321	1,681,153	1,572,860	1,484,991	1,831,347
Food grains	58,827	57,272	77,399	94,128	126,257
Wheat	58,827	57,272	77,399	94,128	126,257
Feed crops	303,709	356,634	339,540	392,313	463,804
Barley	1,313	1,567	1,211	1,540	2,163
Corn	250,666	296,314	277,976	313,894	363,846
Hay	48,932	56,779	58,455	72,389	92,390
Sorghum grain	2,798	1,974	1,898	4,490	5,405
Tobacco	877,357	918,850	786,020	636,485	812,739
Oil crops	210,020	236,729	259,861	245,828	306,970
Soybeans	209,747	236,565	259,691	245,722	306,852
Vegetables	28,141	30,370	30,075	28,875	31,703
Peppers, green	2,570	2,842	2,835	NA	NA
Miscellaneous vegetables	25,048	26,996	26,996	28,821	31,703
Fruits/nuts	10,605	11,693	7,970	11,691	10,558
Apples	3,332	3,500	1,405	3,191	4,305
Fresh	3,221	3,361	1,333	3,001	3,921
Other berries	5,750	6,000	5,843	6,000	5,298
Miscellaneous fruits and nuts	450	513	722	793	581
All other crops	73,662	69,605	71,995	75,671	79,316
Other seeds	1,747	2,142	1,532	1,829	2,818
Other field crops	15,140	17,256	18,723	22,068	20,294
Greenhouse/nursery	56,724	50,157	51,686	51,714	56,144
Floriculture	21,474	22,357	21,986	21,679	21,657
Other greenhouse	35,250	27,800	29,700	30,035	34,487
Louisiana					
All commodities	1,899,559	1,795,135	2,028,702	2,013,292	2,342,068
Livestock and products	610,215	704,940	699,607	629,845	687,210
Meat animals	168,823	203,276	162,182	122,949	121,736
Cattle and calves	161,311	196,097	155,294	115,455	111,596
Hogs	7,242	6,923	6,633	7,263	9,816
Dairy products	135,360	128,800	128,310	122,820	133,326
Milk, wholesale	135,360	128,800	128,310	122,820	133,326
Poultry/eggs	234,910	301,575	333,753	305,516	344,241
Chicken eggs	25,543	34,613	40,885	38,704	38,319
Other poultry	3,219	18,266	21,698	6,104	2,321
Miscellaneous livestock	71,122	71,289	75,362	78,560	87,907
Honey	2,456	2,102	1,578	2,474	3,294
Aquaculture	46,263	45,512	45,409	51,923	60,098
Catfish	13,184	18,843	19,700	18,862	27,273
Crawfish	33,079	26,669	25,709	33,061	32,825
Other livestock	22,374	23,655	28,341	24,126	24,497

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Crops	1,289,344	1,090,195	1,329,095	1,383,447	1,654,858
Food grains	222,500	137,047	231,299	211,850	273,744
Rice	203,023	128,842	223,111	200,741	246,324
Wheat	19,477	8,205	8,188	11,109	27,420
Feed crops	98,213	72,516	95,197	91,057	212,273
Corn	61,517	46,498	68,378	64,074	175,134
Hay	9,988	6,287	10,570	9,472	11,189
Sorghum grain	26,708	19,731	16,249	17,511	25,950
Cotton	446,707	341,049	471,439	501,649	520,245
Cotton lint, all	411,621	303,146	428,217	456,151	468,125
Cottonseed	35,086	37,903	43,222	45,498	52,120
Oil crops	208,700	200,569	167,933	182,905	249,072
Soybeans	208,287	200,144	167,722	182,786	249,040
Vegetables	55,674	66,388	70,875	71,337	73,897
Sweetpotatoes	28,889	32,914	39,905	41,496	46,017
Peppers, green	2,880	4,395	4,600	6,900	3,432
Tomatoes	2,970	2,331	2,920	2,109	1,880
Miscellaneous vegetables	18,925	25,114	21,851	18,702	19,824
Watermelons	1,799	1,420	1,336	1,815	2,346
Fruits/nuts	12,115	15,301	22,292	23,764	16,677
Peaches	1,665	1,584	1,672	2,621	156
Strawberries	6,960	5,390	7,238	5,415	3,904
Other berries	1,776	1,246	1,599	2,495	714
Pecans	1,120	5,975	8,300	8,600	7,400
Miscellaneous fruits and nuts	594	1,106	3,483	4,633	4,503
All other crops	245,435	257,325	270,060	300,885	308,950
Cane for sugar	212,903	222,233	235,758	267,396	271,418
Other field crops	2,423	2,939	3,499	3,794	2,768
Christmas trees	2,505	2,927	2,396	2,441	3,205
Greenhouse/nursery	27,604	29,226	28,407	27,254	31,559
Floriculture	17,584	20,913	19,284	17,034	20,161
Other greenhouse	10,020	8,313	9,123	10,220	11,398
Maine					
All commodities	462,461	455,808	461,390	450,292	485,111
Livestock and products	247,534	268,577	270,161	249,575	261,537
Meat animals	21,344	26,943	25,799	17,818	15,014
Cattle and calves	19,692	25,442	23,603	16,309	13,923
Hogs	1,358	1,012	1,109	953	620
Dairy products	92,595	92,384	89,645	88,297	101,457
Milk, retail	2,260	2,084	2,084	2,047	2,233
Milk, wholesale	90,335	90,300	87,561	86,250	99,224
Poultry/eggs	85,611	100,854	111,624	77,795	91,120
Chicken eggs	80,401	96,420	107,797	73,883	86,940
Other poultry	4,266	3,580	3,233	3,410	4,110
Miscellaneous livestock	47,984	48,396	43,093	65,665	53,946
Aquaculture	42,896	42,896	37,731	59,940	48,278
Other livestock	4,780	4,990	5,040	5,200	5,353
Crops	214,927	187,231	191,229	200,717	223,574
Feed crops	9,269	9,112	8,632	9,619	9,338
Hay	8,177	8,337	8,124	8,627	7,540
Oats	1,092	775	508	992	1,798

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vegetables	114,198	106,109	111,978	109,293	118,429
Potatoes	103,108	92,995	97,818	95,270	103,476
Miscellaneous vegetables	6,845	8,450	9,660	9,365	9,490
Fruits/nuts	55,263	36,218	33,374	39,052	50,318
Apples	13,645	11,114	9,643	10,349	12,281
Fresh	12,410	10,139	8,878	9,361	10,409
Processing	1,235	975	765	988	1,872
Blueberries	34,519	17,979	17,744	21,004	30,000
Other berries	6,967	7,047	5,928	7,650	7,980
Miscellaneous fruits and nuts	132	78	59	49	57
All other crops	36,197	35,792	37,245	42,753	45,489
Maple products	2,433	1,616	2,145	2,965	3,657
Other seeds	430	425	432	432	557
Other field crops	7,334	6,751	6,668	7,356	9,275
Christmas trees	6,000	6,000	6,000	7,000	7,000
Greenhouse/nursery	20,000	21,000	22,000	25,000	25,000
Maryland					
All commodities	1,322,999	1,345,326	1,339,223	1,405,155	1,533,770
Livestock and products	785,414	820,761	798,701	833,564	900,503
Meat animals	84,417	110,290	82,925	77,890	57,929
Cattle and calves	54,236	79,740	52,762	59,962	44,474
Hogs	29,364	29,307	28,928	17,034	12,763
Dairy products	200,760	186,260	181,525	175,560	199,971
Milk, wholesale	200,760	186,260	181,525	175,560	199,971
Poultry/eggs	459,994	478,238	489,568	528,904	587,518
Broilers	403,920	426,240	432,630	462,468	512,672
Farm chickens	1,686	1,967	1,343	890	888
Chicken eggs	44,318	39,888	45,227	53,440	62,221
Other poultry	8,605	8,630	8,888	9,185	9,455
Miscellaneous livestock	40,243	45,973	44,683	51,210	55,085
All other livestock	40,000	45,600	44,300	50,790	54,750
Crops	537,585	524,565	540,522	571,591	633,267
Food grains	35,182	29,904	36,363	55,730	52,977
Wheat	34,918	29,658	36,158	55,524	52,915
Feed crops	89,374	65,114	70,196	84,629	129,476
Barley	5,455	6,105	4,540	7,020	6,382
Corn	69,300	45,006	50,966	62,412	106,043
Hay	14,284	13,831	14,587	14,909	16,531
Tobacco	20,898	20,020	18,530	20,869	19,202
Oil crops	91,878	89,971	93,883	72,918	93,742
Soybeans	91,572	89,755	93,772	72,840	93,654
Vegetables	65,314	63,786	67,249	73,051	75,966
Potatoes	2,220	3,231	1,907	2,704	2,569
Beans, snap, fresh	2,747	1,749	2,144	3,942	2,268
Cabbage	1,712	2,080	990	2,020	3,072
Cucumbers, fresh	3,252	2,464	3,101	2,709	1,700
Spinach	8,859	6,090	1,452	2,880	1,050
Tomatoes, fresh	7,460	7,920	10,175	6,396	10,885
Miscellaneous vegetables	21,817	23,040	29,196	31,310	29,205
Cantaloups	3,353	3,234	3,825	4,374	6,696
Watermelons	4,200	4,095	2,117	3,640	3,456

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Fruits/nuts	12,288	11,492	11,670	13,453	12,290
Apples	5,362	5,753	6,008	4,801	4,299
Fresh	3,708	4,600	5,034	3,706	2,906
Processing	1,654	1,153	974	1,095	1,393
Peaches	3,136	2,422	1,098	3,542	3,440
Other berries	2,900	2,422	3,664	4,200	3,640
Miscellaneous fruits and nuts	890	895	900	910	911
All other crops	222,651	244,278	242,631	250,941	249,614
Other seeds	130	132	134	136	138
Other field crops	12,700	13,076	15,500	17,788	17,450
Greenhouse/nursery	208,758	229,717	225,253	231,321	230,409
Floriculture	30,758	34,217	31,753	32,321	30,909
Other greenhouse	178,000	195,500	193,500	199,000	199,500
Mushrooms, agaricus	1,036	1,326	1,717	1,696	1,617
Massachusetts					
All commodities	448,355	443,400	449,017	435,618	477,698
Livestock and products	124,864	121,066	117,437	99,474	109,067
Meat animals	14,194	15,254	13,922	10,331	11,844
Cattle and calves	11,099	12,238	11,092	8,372	9,669
Hogs	2,541	2,460	2,021	1,367	1,662
Dairy products	74,450	68,069	66,148	62,624	69,992
Milk, retail	5,442	5,693	5,377	4,688	4,837
Milk, wholesale	69,008	62,376	60,771	57,936	65,155
Poultry/eggs	21,145	22,312	21,867	10,251	10,882
Chicken eggs	17,218	17,338	17,026	7,315	8,757
Turkeys	3,455	4,504	4,543	2,648	1,920
Other poultry	298	324	222	201	201
Miscellaneous livestock	15,075	15,431	15,500	16,268	16,349
Aquaculture	8,020	8,020	7,941	8,622	8,622
All other livestock	6,828	6,935	7,147	7,183	7,141
Crops	323,491	322,334	331,580	336,144	368,631
Feed crops	5,777	5,336	5,424	5,576	5,253
Hay	5,777	5,336	5,424	5,576	5,253
Tobacco	9,967	7,826	7,030	1,240	1,867
Vegetables	55,919	59,073	63,809	60,638	75,707
Potatoes	4,203	4,659	4,835	5,186	4,962
Corn, sweet	7,776	10,800	14,175	11,583	13,720
Tomatoes	6,880	5,640	5,280	4,875	5,780
Miscellaneous vegetables	36,000	36,900	38,550	37,900	49,645
Fruits/nuts	123,362	117,772	119,825	107,210	120,529
Apples	13,573	11,566	12,481	12,633	14,004
Fresh	12,211	10,378	11,544	11,588	12,755
Processing	1,362	1,188	937	1,045	1,249
Cranberries	101,143	97,384	98,771	86,446	98,283
Other berries	6,495	6,742	6,884	5,875	6,056
Miscellaneous fruits and nuts	1,271	1,248	1,239	1,276	1,306
All other crops	128,466	132,327	135,492	161,480	165,275
Maple products	1,740	1,112	1,456	1,105	1,906
Christmas trees	4,500	4,500	4,500	4,500	4,500
Greenhouse/nursery	117,495	123,436	125,940	146,422	146,672
Floriculture	49,495	54,436	53,940	72,422	70,672
Other greenhouse	68,000	69,000	72,000	74,000	76,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Michigan					
All commodities	3,210,901	3,339,928	3,415,115	3,626,110	3,642,927
Livestock and products	1,309,581	1,371,040	1,398,663	1,343,477	1,447,981
Meat animals	456,808	507,135	494,257	456,484	452,014
Cattle and calves	254,426	296,899	305,512	264,812	232,109
Hogs	198,281	206,320	184,630	186,293	214,496
Sheep and lambs	4,101	3,916	4,115	5,379	5,409
Dairy products	716,344	704,931	739,045	717,469	807,488
Milk, retail	5,060	5,391	5,395	4,419	3,488
Milk, wholesale	711,284	699,540	733,650	713,050	804,000
Poultry/eggs	109,961	131,834	128,138	129,151	139,785
Chicken eggs	47,066	53,705	50,823	50,315	68,426
Other poultry	300	3,300	3,825	2,325	3,025
Miscellaneous livestock	26,468	27,140	37,223	40,373	48,694
Honey	3,811	3,950	4,257	6,961	9,504
Aquaculture	2,410	2,986	2,315	1,850	2,055
Other livestock	19,944	19,916	30,153	31,013	36,914
Mink pelts	1,314	1,261	1,903	1,733	2,767
All other livestock	18,630	18,655	28,250	29,280	34,147
Crops	1,901,320	1,968,888	2,016,452	2,282,633	2,194,946
Food grains	97,134	76,685	91,645	143,737	102,482
Wheat	96,679	76,263	91,220	143,231	102,103
Feed crops	398,805	420,962	403,436	532,681	534,122
Barley	2,481	2,658	2,430	2,611	3,130
Corn	331,399	353,974	328,079	470,355	477,441
Hay	60,398	60,090	70,239	57,002	49,318
Oats	4,527	4,240	2,688	2,713	4,233
Oil crops	289,236	303,012	305,782	364,074	352,218
Soybeans	288,045	302,083	304,825	363,059	351,302
Vegetables	371,888	417,580	451,298	448,507	429,332
Beans, dry	95,336	110,021	145,253	127,137	116,630
Potatoes	90,008	102,390	86,854	85,650	94,309
Summer	18,270	23,925	16,215	NA	NA
Fall	71,738	78,465	70,639	85,650	94,309
Asparagus	15,398	17,155	14,194	20,106	20,110
Fresh	2,384	2,346	1,474	2,556	2,607
Processing	13,014	14,809	12,720	17,550	17,503
Beans, snap	11,799	15,108	13,580	12,048	13,657
Fresh	2,305	2,436	2,261	2,087	2,292
Processing	9,494	12,672	11,319	9,961	11,365
Carrots	24,086	17,517	24,637	34,564	17,736
Cauliflower	3,865	4,220	3,288	2,617	2,367
Celery	17,547	14,014	14,745	14,255	13,294
Corn, sweet	15,709	17,333	18,300	16,166	17,229
Fresh	12,512	13,981	15,300	14,444	15,181
Processing	3,197	3,352	3,000	1,722	2,048
Cucumbers	29,438	31,712	31,930	36,697	38,217
Fresh	11,662	11,934	10,282	15,390	16,720
Processing	17,776	19,778	21,648	21,307	21,497
Onions	21,130	34,820	14,956	13,474	15,775
Peppers, green	7,700	8,243	7,904	8,104	7,360
Tomatoes	23,926	24,277	23,187	19,814	20,993
Fresh	11,340	11,628	12,560	10,944	10,454
Processing	12,586	12,649	10,627	8,870	10,539
Miscellaneous vegetables	8,000	11,000	45,000	50,000	45,000
Cantaloups	1,478	2,057	1,435	2,086	918

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Fruits/nuts	209,238	203,175	186,864	204,072	223,135
Apples	97,424	91,126	84,553	102,094	106,917
Fresh	49,327	46,537	39,095	48,347	51,726
Processing	48,097	44,589	45,458	53,747	55,191
Cherries	52,808	43,327	49,133	29,148	46,809
Sweet	11,708	18,717	13,497	15,700	15,607
Tart	41,100	24,610	35,636	13,448	31,202
Grapes	10,375	11,670	14,860	15,196	13,555
Peaches	8,631	10,260	3,400	12,594	10,870
Pears	1,299	1,240	1,255	1,400	1,560
Plums and prunes	2,364	1,710	993	1,603	837
Strawberries	7,727	7,637	6,300	6,822	4,512
Blueberries	27,100	34,650	25,180	33,450	36,330
Other berries	1,060	1,015	925	1,085	1,095
Miscellaneous fruits and nuts	450	540	265	680	650
All other crops	535,019	547,474	577,427	589,562	553,657
Maple products	2,533	1,913	2,491	1,480	2,737
Sugar beets	112,767	113,808	113,890	100,386	66,349
Other seeds	300	295	100	205	130
Other field crops	6,650	7,250	7,450	6,885	6,320
Christmas trees	37,000	38,443	40,000	40,000	40,000
Greenhouse/nursery	358,933	369,574	398,385	424,625	421,846
Floriculture	138,933	145,574	168,385	184,625	181,846
Other greenhouse	220,000	224,000	230,000	240,000	240,000
Mushrooms, agaricus	15,181	14,597	13,915	14,810	15,856
Minnesota					
All commodities	6,809,160	6,338,789	6,407,325	7,129,443	8,808,931
Livestock and products	3,606,165	3,755,024	3,448,002	3,448,243	4,168,423
Meat animals	1,837,179	1,992,194	1,707,807	1,715,400	2,057,005
Cattle and calves	963,399	1,045,785	859,566	835,231	925,163
Hogs	856,057	928,483	832,128	865,073	1,115,777
Sheep and lambs	17,723	17,926	16,113	15,096	16,065
Dairy products	1,250,305	1,226,240	1,194,086	1,181,688	1,362,180
Milk, wholesale	1,250,305	1,226,240	1,194,086	1,181,688	1,362,180
Poultry/eggs	489,060	509,014	516,715	519,140	710,265
Broilers	71,619	80,818	84,524	83,616	94,425
Chicken eggs	95,838	103,193	88,967	98,335	150,491
Turkeys	279,930	285,180	304,776	299,093	426,735
Other poultry	40,675	39,113	38,130	37,978	38,415
Miscellaneous livestock	29,621	27,576	29,394	32,015	38,973
Honey	9,234	7,632	6,984	9,471	10,511
Other livestock	19,855	19,528	21,916	21,808	27,980
Mink pelts	8,256	7,923	10,305	10,065	16,249
All other livestock	11,599	11,605	11,611	11,743	11,731
Crops	3,202,995	2,583,765	2,959,323	3,681,200	4,640,508
Food grains	377,900	317,466	243,202	280,252	414,170
Rye	1,055	1,114	1,336	1,289	1,012
Wheat	376,845	316,352	241,866	278,963	413,158
Feed crops	1,215,110	896,740	1,005,027	1,421,177	1,859,633
Barley	77,312	59,513	51,392	53,078	72,895
Corn	1,039,532	688,750	831,755	1,285,777	1,704,389
Hay	84,602	134,764	113,047	72,494	69,740
Oats	13,664	13,713	8,833	9,828	12,609
Oil crops	949,269	858,573	991,898	1,348,037	1,661,467
Soybeans	906,626	804,216	934,124	1,271,404	1,618,232
Sunflower	40,383	51,743	53,427	68,340	34,052

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vegetables	216,008	167,718	231,727	219,880	274,573
Beans, dry	30,707	27,566	38,207	37,423	44,970
Potatoes	85,909	87,912	92,971	86,830	118,889
Fall	72,958	76,056	80,585	86,830	118,889
Carrots	3,687	1,443	3,800	2,599	3,124
Corn, sweet	42,897	28,194	52,787	48,357	56,113
Onions	3,074	794	2,417	1,779	1,208
Peas, green	36,733	12,775	30,547	32,818	38,817
Miscellaneous vegetables	6,300	4,750	5,000	4,400	5,200
Fruits/nuts	11,701	9,659	9,840	10,379	11,196
Apples	8,901	6,559	6,892	7,559	8,471
Other berries	2,800	3,100	2,948	2,820	2,725
All other crops	433,007	333,609	477,629	401,475	419,469
Sugar beets	327,191	218,570	358,154	282,492	302,898
Other seeds	5,925	6,512	7,909	9,758	7,244
Other field crops	12,025	16,575	14,801	9,357	10,116
Christmas trees	1,500	1,500	1,500	1,500	1,500
Greenhouse/nursery	85,671	90,052	94,914	98,078	97,421
Floriculture	49,671	50,052	51,414	54,578	53,921
Other greenhouse	36,000	40,000	43,500	43,500	43,500
Mississippi					
All commodities	2,641,482	2,630,434	2,889,872	3,134,266	3,462,784
Livestock and products	1,332,302	1,568,061	1,706,050	1,685,767	1,934,279
Meat animals	229,535	271,695	266,963	192,049	188,026
Cattle and calves	207,121	241,722	242,521	156,778	137,940
Hogs	22,343	29,910	24,180	35,132	49,926
Dairy products	106,500	103,600	102,950	96,585	105,616
Milk, wholesale	106,500	103,600	102,950	96,585	105,616
Poultry/eggs	765,236	923,601	1,047,093	1,114,795	1,354,234
Broilers	664,814	813,950	921,978	992,404	1,197,004
Farm chickens	4,010	3,229	2,475	2,753	3,271
Chicken eggs	96,331	105,831	121,544	119,048	153,569
Other poultry	81	591	1,096	590	390
Miscellaneous livestock	231,031	269,165	289,044	282,338	286,403
Aquaculture	223,178	261,360	280,697	271,875	274,559
Other livestock	7,015	7,288	7,840	9,680	10,680
Crops	1,309,180	1,062,373	1,183,822	1,448,499	1,528,505
Food grains	140,071	95,277	161,632	145,396	186,844
Rice	108,282	73,789	141,399	121,113	132,505
Wheat	31,789	21,488	20,233	24,283	54,339
Feed crops	87,496	65,313	84,670	99,372	185,687
Corn	40,671	36,431	49,377	67,344	146,341
Hay	28,904	17,488	25,167	23,754	27,772
Sorghum grain	17,921	11,394	10,126	8,274	11,574
Cotton	687,302	508,091	570,961	798,336	726,425
Cotton lint, all	621,240	450,149	496,840	727,405	649,363
Upland	621,010	449,988	496,840	727,405	649,363
Cottonseed	66,062	57,942	74,121	70,931	77,062
Oil crops	302,048	302,090	266,984	303,415	328,010
Soybeans	301,849	301,967	266,920	303,242	327,950
Vegetables	41,763	39,573	44,695	42,574	41,657
Sweetpotatoes	5,829	8,468	11,223	12,316	16,479
Miscellaneous vegetables	30,620	28,180	29,622	26,500	22,500

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Watermelons	3,096	2,925	3,850	3,758	2,678
Fruits/nuts	6,820	6,740	9,121	8,460	4,205
Other berries	4,520	2,000	5,759	5,700	1,600
Miscellaneous fruits and nuts	1,240	1,410	1,112	800	850
All other crops	43,680	45,289	45,759	50,946	55,677
Other seeds	750	750	750	800	800
Other field crops	6,791	6,990	7,705	7,480	6,800
Christmas trees	5,000	5,200	5,240	6,100	7,440
Greenhouse/nursery	31,139	32,349	32,031	36,536	40,607
Floriculture	9,139	9,349	7,031	9,536	11,607
Other greenhouse	22,000	23,000	25,000	27,000	29,000
Missouri					
All commodities	4,227,718	4,112,062	4,561,575	4,372,362	4,950,421
Livestock and products	2,165,318	2,275,557	2,463,350	2,285,030	2,450,145
Meat animals	1,332,949	1,399,784	1,516,932	1,287,019	1,281,536
Cattle and calves	882,145	861,180	1,002,517	685,870	626,318
Hogs	446,875	534,594	510,031	596,995	651,631
Sheep and lambs	3,929	4,010	4,384	4,154	3,587
Dairy products	378,430	356,864	352,176	343,850	362,400
Milk, wholesale	378,430	356,864	352,176	343,850	362,400
Poultry/eggs	424,296	489,375	559,229	614,637	769,077
Broilers	184,212	214,452	250,154	280,175	397,163
Farm chickens	2,631	3,724	4,021	2,674	2,108
Chicken eggs	55,726	62,746	61,811	69,621	92,768
Turkeys	147,630	178,920	205,390	231,525	248,798
Other poultry	34,097	29,533	37,853	30,642	28,240
Miscellaneous livestock	29,643	29,534	35,013	39,524	37,132
Honey	1,186	1,034	1,020	1,125	1,498
Aquaculture	4,561	4,138	3,320	4,888	3,769
Catfish	2,429	2,506	1,756	2,924	1,746
Trout	2,132	1,632	1,564	1,964	2,023
All other livestock	23,572	24,118	30,330	33,070	31,565
Crops	2,062,400	1,836,505	2,098,225	2,087,332	2,500,276
Food grains	224,415	163,984	199,215	235,297	252,094
Rice	36,080	26,669	45,323	44,979	50,847
Wheat	188,335	137,315	153,892	190,318	201,247
Feed crops	679,948	648,150	670,026	595,490	871,053
Corn	496,468	449,582	475,796	427,965	670,412
Hay	96,345	123,597	102,055	82,168	88,123
Sorghum grain	85,898	74,255	91,466	84,478	111,317
Cotton	157,282	123,857	216,360	204,278	224,716
Cotton lint, all	138,136	108,044	193,613	183,099	197,549
Cottonseed	19,146	15,813	22,747	21,179	27,167
Tobacco	7,226	6,337	13,283	9,310	12,078
Oil crops	860,933	764,353	862,132	896,724	996,276
Soybeans	860,543	764,134	861,948	896,356	995,839
Vegetables	20,907	20,708	25,221	26,355	23,232
Potatoes	8,289	8,728	10,124	8,871	11,039
Miscellaneous vegetables	5,430	4,165	4,624	3,370	2,990
Watermelons	4,234	4,977	6,037	8,004	4,424

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Fruits/nuts	12,778	14,490	12,625	13,868	11,339
Apples	7,324	8,689	6,530	6,922	7,459
Fresh	6,908	8,284	6,211	6,252	7,034
Grapes	834	883	1,265	1,105	959
Peaches	2,430	1,800	1,600	2,835	1,518
Other berries	700	700	750	725	520
Miscellaneous fruits and nuts	1,200	2,350	2,300	2,200	883
All other crops	98,911	94,626	99,363	106,010	109,488
Other seeds	27,480	21,520	24,350	35,760	36,985
Other field crops	6,035	4,680	6,315	1,880	5,035
Christmas trees	3,800	3,800	4,000	4,100	4,200
Greenhouse/nursery	61,449	64,514	64,613	64,183	63,168
Floriculture	35,449	38,014	37,613	36,483	34,768
Other greenhouse	26,000	26,500	27,000	27,700	28,400
Montana					
All commodities	1,780,799	1,806,241	1,884,614	1,870,128	2,027,226
Livestock and products	911,250	949,317	855,660	796,251	796,927
Meat animals	838,865	883,758	786,141	727,155	721,632
Cattle and calves	779,958	818,162	728,590	667,838	655,770
Hogs	33,681	40,503	33,332	33,634	37,065
Sheep and lambs	25,226	25,093	24,219	25,683	28,797
Dairy products	41,695	39,026	40,478	40,299	44,688
Milk, wholesale	41,230	38,570	40,004	40,299	44,688
Poultry/eggs	6,657	6,864	4,814	5,298	6,228
Chicken eggs	6,533	6,563	4,538	4,988	5,940
Other poultry	68	214	239	246	256
Miscellaneous livestock	24,033	19,669	24,227	23,499	24,379
Honey	5,264	5,027	6,497	6,106	6,178
Wool	5,072	2,993	4,379	5,428	3,901
All other livestock	12,457	10,459	11,595	10,645	11,645
Crops	869,549	856,924	1,028,954	1,073,877	1,230,299
Food grains	480,123	561,062	705,597	726,894	860,646
Wheat	480,123	561,062	705,597	726,894	860,646
Feed crops	291,872	195,430	206,450	236,828	250,170
Barley	152,739	86,439	121,117	141,945	152,889
Corn	4,854	3,805	3,946	5,419	4,609
Hay	131,398	101,086	77,568	86,372	88,979
Oats	2,881	4,100	3,819	3,092	3,693
Oil crops	5,013	6,463	8,452	9,919	8,205
Vegetables	18,647	23,356	26,045	24,237	29,601
Beans, dry	2,604	3,744	4,013	3,518	4,245
Potatoes	15,908	18,967	21,382	20,069	24,706
Miscellaneous vegetables	135	645	650	650	650
Fruits/nuts	481	312	920	1,067	1,044
Other berries	85	85	85	86	86
All other crops	73,413	70,301	81,490	74,932	80,633
Miscellaneous fruits and nuts	60	60	65	65	65
Sugar beets	55,714	50,968	54,763	47,601	51,870
Other seeds	3,239	4,664	8,824	7,192	9,471
Other field crops	4,460	4,669	6,903	9,139	8,292
Greenhouse/nursery	10,000	10,000	11,000	11,000	11,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Nebraska					
All commodities	8,685,262	8,871,495	8,515,799	8,953,100	9,454,041
Livestock and products	5,675,677	5,846,297	5,404,715	5,190,520	5,277,261
Meat animals	5,407,511	5,567,711	5,135,540	4,907,775	4,949,586
Cattle and calves	4,619,794	4,707,491	4,380,389	4,157,817	4,081,767
Hogs	778,068	850,302	747,628	739,003	856,139
Sheep and lambs	9,649	9,918	7,523	10,955	11,680
Dairy products	150,570	136,250	138,240	133,125	147,600
Milk, wholesale	150,570	136,250	138,240	133,125	147,600
Poultry/eggs	74,792	99,989	89,561	107,080	136,149
Broilers	5,520	6,141	6,552	6,696	4,788
Chicken eggs	53,310	72,634	60,810	74,702	109,013
Other poultry	2,250	3,400	3,450	3,500	3,500
Miscellaneous livestock	42,804	42,347	41,374	42,540	43,926
Honey	3,816	3,079	2,218	3,197	4,485
All other livestock	38,400	38,800	38,700	38,700	38,700
Crops	3,009,585	3,025,198	3,111,084	3,762,580	4,176,780
Food grains	178,359	214,050	236,438	337,056	339,176
Wheat	176,822	213,190	235,609	336,243	338,420
Feed crops	2,149,396	2,073,086	2,015,290	2,512,961	2,781,907
Barley	1,607	1,008	658	537	1,715
Corn	1,857,518	1,776,979	1,738,579	2,238,286	2,490,992
Hay	82,265	103,464	101,306	78,728	78,709
Oats	9,662	4,993	6,287	4,411	7,228
Sorghum grain	198,344	186,642	168,460	190,999	203,263
Oil crops	503,859	546,367	638,408	706,292	834,649
Soybeans	498,451	538,560	630,146	696,620	827,656
Vegetables	70,096	75,809	100,252	108,573	125,741
Beans, dry	47,978	49,099	64,383	75,068	83,388
Potatoes	17,118	19,560	27,029	27,775	33,703
Summer	3,094	4,365	9,424	8,361	10,039
Fall	14,024	15,195	17,605	19,414	23,664
Miscellaneous vegetables	5,000	7,150	8,840	5,730	8,650
Fruits/nuts	1,950	1,800	1,300	1,300	1,300
Other berries	350	200	200	200	200
Miscellaneous fruits and nuts	1,600	1,600	1,100	1,100	1,100
All other crops	105,925	114,086	119,396	96,398	94,007
Sugar beets	54,925	52,586	54,896	40,798	31,407
Other seeds	3,500	3,000	2,500	2,500	2,500
Other field crops	32,500	36,500	40,000	31,100	38,100
Nevada					
All commodities	267,419	294,806	306,681	282,081	286,002
Livestock and products	194,341	192,220	189,633	163,585	153,436
Meat animals	147,147	146,284	134,688	109,215	86,911
Cattle and calves	142,243	141,431	130,640	102,436	81,017
Hogs	1,879	1,788	1,820	1,597	1,909
Sheep and lambs	3,025	3,065	2,228	5,182	3,985
Dairy products	43,152	42,189	50,750	50,520	62,310
Milk, wholesale	43,152	42,189	50,750	50,520	62,310
Poultry/eggs	50	39	52	55	56

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Miscellaneous livestock	3,992	3,708	4,143	3,795	4,159
Other livestock	2,647	2,700	2,800	2,800	2,800
Crops	73,078	102,586	117,048	118,496	132,566
Food grains	2,348	2,450	2,445	3,296	6,174
Wheat	2,348	2,450	2,445	3,296	6,174
Feed crops	39,894	56,767	65,363	67,035	67,669
Hay	38,892	55,764	64,612	66,367	66,915
Oil crops	4	NA	NA	NA	NA
Vegetables	19,221	33,842	36,163	32,427	42,123
Potatoes	11,154	16,200	14,460	16,286	20,471
Onions	4,914	15,120	17,640	11,362	15,979
Spring	NA	NA	8,820	NA	NA
Summer, nonstorage	NA	NA	8,820	11,362	15,979
Miscellaneous vegetables	3,153	2,522	4,063	4,779	5,673
Fruits/nuts	77	86	77	73	85
Miscellaneous fruits and nuts	77	86	77	73	85
All other crops	11,534	9,441	13,000	15,665	16,515
Other seeds	6,596	4,211	7,520	9,875	10,505
Other field crops	995	980	940	930	930
Greenhouse/nursery	3,943	4,250	4,540	4,860	5,080
New Hampshire					
All commodities	148,106	148,813	148,955	149,372	160,907
Livestock and products	67,530	66,006	63,502	63,381	72,302
Meat animals	6,868	9,468	7,498	6,716	7,243
Cattle and calves	5,649	7,908	6,888	6,216	6,560
Dairy products	46,248	43,840	43,120	43,470	49,764
Milk, wholesale	46,248	43,840	43,120	43,470	49,764
Poultry/eggs	9,015	7,234	7,362	7,568	9,571
Chicken eggs	5,460	3,938	3,153	2,750	2,835
Other poultry	2,975	2,684	3,747	4,388	6,381
Miscellaneous livestock	5,399	5,464	5,522	5,627	5,724
Aquaculture	756	756	800	810	810
All other livestock	4,456	4,530	4,561	4,613	4,574
Crops	80,576	82,807	85,453	85,991	88,605
Feed crops	3,899	3,894	3,849	3,884	3,317
Hay	3,899	3,894	3,849	3,884	3,317
Vegetables	17,104	19,847	20,742	20,779	22,016
Miscellaneous vegetables	13,665	15,755	15,750	15,400	16,000
Fruits/nuts	12,743	11,910	12,480	11,489	11,728
Apples	9,046	7,857	8,326	8,539	8,507
Fresh	7,918	6,837	7,516	7,549	7,472
Other berries	3,369	3,723	3,887	2,693	2,936
Miscellaneous fruits and nuts	328	330	267	257	285
All other crops	46,830	47,156	48,382	49,839	51,544
Maple products	3,093	2,343	2,540	2,432	3,311
Christmas trees	6,000	6,000	6,000	6,000	6,000
Greenhouse/nursery	34,000	35,700	37,000	39,000	40,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
<i>Thousand dollars</i>					
New Jersey					
All commodities	645,593	701,127	770,215	773,216	800,958
Livestock and products	192,205	197,309	180,659	196,172	195,563
Meat animals	17,383	18,926	13,640	11,122	10,195
Cattle and calves	15,460	16,206	11,139	9,142	7,251
Hogs	1,142	1,820	1,580	872	1,824
Dairy products	48,576	48,465	44,850	42,028	44,829
Milk, wholesale	48,576	48,465	44,850	42,028	44,829
Poultry/eggs	32,670	36,598	29,886	26,669	31,172
Chicken eggs	30,042	33,313	26,684	23,162	28,817
Turkeys	1,383	1,685	1,734	1,782	1,370
Other poultry	960	1,384	1,324	1,663	944
Miscellaneous livestock	93,576	93,320	92,283	116,353	109,367
All other livestock	93,360	93,037	92,023	116,061	109,026
Crops	453,388	503,818	589,556	577,044	605,395
Food grains	4,589	4,455	4,721	7,512	8,087
Wheat	3,864	3,901	4,150	6,774	7,849
Feed crops	19,550	17,797	17,584	19,972	24,969
Corn	11,636	10,799	10,878	11,857	16,872
Hay	7,365	6,606	6,404	7,655	7,704
Oil crops	22,217	24,377	25,411	19,624	23,118
Soybeans	22,198	24,346	25,391	19,617	23,105
Vegetables	139,699	160,236	194,975	177,096	185,096
Potatoes	4,779	3,781	3,657	4,373	4,272
Sweetpotatoes	3,377	3,069	2,444	3,505	3,541
Asparagus	2,530	2,323	1,764	2,800	3,852
Beans, snap, fresh	4,010	6,759	4,182	5,845	4,723
Corn, sweet, fresh	11,826	15,884	12,929	11,288	15,768
Cucumbers, fresh	8,536	7,909	8,260	7,779	5,247
Eggplant, all	3,240	4,646	5,280	2,220	4,342
Escarole	2,843	3,269	2,640	2,592	4,121
Kale/collards	NA	NA	3,455	3,398	3,924
Kale	NA	NA	1,435	1,638	1,593
Collards	NA	NA	2,020	1,760	2,331
Lettuce	7,183	10,922	15,869	11,278	12,582
Head	4,342	8,402	12,449	8,748	8,226
Romaine	2,841	2,520	3,420	2,530	4,356
Peppers, green	13,603	21,794	44,975	24,422	27,830
Spinach	4,302	4,878	5,288	6,100	6,486
Tomatoes, fresh	21,420	18,896	28,863	26,730	23,559
Squash	10,444	11,318	10,002	16,971	10,650
Winter	1,820	2,835	1,770	2,451	1,260
Summer	8,624	8,483	8,232	14,520	9,390
Miscellaneous vegetables	28,759	29,680	30,186	35,049	32,492
Pumpkins	3,658	2,693	3,569	3,140	3,315
Miscellaneous vegetables, other	25,101	26,987	26,617	31,909	29,177
Fruits/nuts	80,720	83,200	84,760	88,913	102,056
Apples	7,388	11,771	10,763	11,225	8,789
Fresh	5,166	9,818	8,630	8,895	6,008
Processing	2,222	1,953	2,133	2,330	2,781
Peaches	25,500	25,288	22,685	26,180	33,649
Cranberries	23,326	18,219	26,003	22,700	22,750
Strawberries	1,685	1,539	759	944	1,101
Blueberries	21,820	25,005	23,205	26,500	33,010
Other berries	530	530	357	357	357
Miscellaneous fruits and nuts	471	848	988	1,007	2,400

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
All other crops	186,613	213,753	262,105	263,927	262,069
Other field crops	4,666	4,051	4,836	4,719	4,845
Greenhouse/nursery	181,755	209,510	257,077	259,016	257,032
Floriculture	65,569	81,200	90,998	96,898	94,434
Other greenhouse	116,186	128,310	166,079	162,118	162,598
New Mexico					
All commodities	1,508,845	1,590,919	1,583,406	1,458,230	1,709,056
Livestock and products	1,025,172	1,123,329	1,101,544	960,596	1,197,489
Meat animals	723,796	779,797	676,609	498,755	640,495
Cattle and calves	709,526	763,886	664,389	483,140	628,219
Hogs	3,880	4,894	3,727	3,429	1,374
Sheep and lambs	10,390	11,017	8,493	12,186	10,902
Dairy products	269,554	310,767	393,882	430,803	523,279
Milk, retail	10,670	10,428	11,526	13,581	13,921
Milk, wholesale	258,884	300,339	382,356	417,222	509,358
Poultry/eggs	14,716	16,769	15,127	13,439	17,274
Chicken eggs	14,645	16,693	15,000	13,383	17,213
Other poultry	40	40	40	40	40
Miscellaneous livestock	17,106	15,996	15,926	17,599	16,441
Wool	3,490	2,151	2,737	3,510	2,340
Other livestock	12,500	12,750	12,000	12,500	12,500
Crops	483,673	467,590	481,862	497,634	511,567
Food grains	32,741	21,588	18,308	14,919	18,195
Wheat	32,741	21,588	18,308	14,919	18,195
Feed crops	143,977	168,024	181,346	170,949	208,495
Corn	19,718	23,462	26,679	28,214	38,673
Hay	102,573	122,949	137,705	130,484	154,745
Sorghum grain	21,686	21,613	16,962	12,251	15,077
Cotton	24,690	36,799	36,480	34,385	43,458
Cotton lint, all	22,342	33,014	33,239	30,979	38,929
Upland	13,613	21,623	23,458	24,660	28,654
Long staple	8,729	11,391	9,781	6,319	10,275
Cottonseed	2,348	3,785	3,241	3,406	4,529
Oil crops	19,178	19,294	16,481	14,253	10,014
Peanuts	18,985	18,988	16,376	14,190	9,954
Vegetables	157,135	149,137	140,496	152,794	159,040
Beans, dry	5,818	6,713	6,653	6,340	7,029
Potatoes	20,897	19,010	22,491	24,045	19,903
Summer	5,596	6,960	6,204	11,694	8,192
Fall	15,301	12,050	16,287	12,351	11,711
Lettuce	8,711	7,088	7,182	8,493	5,654
Onions	38,080	43,999	32,052	52,826	44,744
Peppers, chili	67,379	56,077	55,868	44,840	65,460
Miscellaneous vegetables	16,250	16,250	16,250	16,250	16,250
Fruits/nuts	53,275	24,897	34,252	58,234	19,350
Apples	2,535	1,757	1,752	894	1,530
Other berries	40	40	40	40	40
Pecans	49,200	21,600	30,960	55,800	16,280
Miscellaneous fruits and nuts	1,500	1,500	1,500	1,500	1,500
All other crops	52,677	47,851	54,499	52,100	53,015
Other seeds	2,000	2,000	2,000	2,000	2,000
Other field crops	8,390	8,390	9,000	9,000	9,000
Christmas trees	NA	NA	1,674	1,674	1,674

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Greenhouse/nursery	42,047	37,181	41,232	39,062	39,358
Floriculture	24,047	19,181	23,232	21,062	21,358
Other greenhouse	18,000	18,000	18,000	18,000	18,000
New York					
All commodities	2,849,723	2,871,136	2,878,794	2,858,839	3,043,034
Livestock and products	1,908,299	1,901,088	1,888,343	1,852,438	2,044,547
Meat animals	209,179	254,407	228,402	160,983	115,476
Cattle and calves	194,733	237,212	215,722	149,201	102,096
Hogs	12,018	13,820	9,390	8,050	10,099
Sheep and lambs	2,428	3,375	3,290	3,732	3,281
Dairy products	1,527,273	1,463,554	1,495,702	1,487,695	1,693,251
Milk, retail	8,651	8,074	7,033	4,395	3,740
Milk, wholesale	1,518,622	1,455,480	1,488,669	1,483,300	1,689,511
Poultry/eggs	82,280	90,799	89,844	91,601	101,213
Broilers	1,369	1,530	1,904	2,381	3,280
Chicken eggs	46,713	52,000	50,002	55,871	66,949
Turkeys	4,268	4,505	5,300	5,451	5,373
Ducks	8,736	8,493	8,874	9,512	10,614
Other poultry	20,337	23,683	23,400	18,187	14,968
Miscellaneous livestock	89,567	92,328	74,395	112,159	134,607
Honey	2,818	2,539	2,913	3,728	4,787
Other livestock	85,625	88,897	70,457	107,533	128,598
Mink pelts	942	904	1,306	1,505	1,104
All other livestock	84,683	87,993	69,151	106,028	127,494
Crops	941,424	970,048	990,451	1,006,401	998,487
Food grains	17,982	12,894	18,978	26,825	29,277
Wheat	17,501	12,521	18,608	26,377	28,937
Feed crops	147,382	144,898	155,880	166,698	201,491
Corn	67,800	70,355	80,156	91,452	123,726
Hay	74,528	71,573	74,904	71,004	73,487
Oats	5,054	2,970	820	4,242	4,278
Oil crops	8,124	11,699	14,281	15,121	18,250
Soybeans	7,875	11,407	13,940	14,843	18,091
Vegetables	268,195	337,033	327,840	313,991	261,412
Beans, dry	7,882	8,816	10,299	10,722	9,927
Potatoes	61,475	56,513	66,194	60,349	57,577
Beans, snap	12,041	19,602	23,986	21,378	20,841
Fresh	4,366	8,840	13,572	8,701	7,691
Processing	7,675	10,762	10,414	12,677	13,150
Beets	1,785	2,668	2,630	2,548	3,127
Cabbage	34,536	47,509	45,311	49,111	36,980
Fresh	33,171	43,932	42,875	47,081	35,111
Processing	1,365	3,577	2,436	2,030	1,869
Carrots	7,807	4,376	5,271	4,261	2,915
Cauliflower	5,545	7,560	7,181	4,799	4,662
New York, Upstate	3,765	4,896	NA	NA	NA
Celery	5,441	2,435	NA	NA	NA
Corn, sweet	30,692	39,544	44,463	54,991	39,470
Fresh	19,647	23,265	30,988	38,556	23,206
Processing	11,045	16,279	13,475	16,435	16,264
Cucumbers, fresh	8,901	6,667	6,306	6,674	7,093
Lettuce	7,782	3,972	3,896	2,093	1,040
Onions	34,713	76,040	51,587	41,180	39,287
Peas, green	5,887	5,555	7,047	9,546	8,461
Tomatoes, fresh	6,846	9,936	14,760	7,380	3,359
Miscellaneous vegetables	35,000	44,800	37,800	37,800	26,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Fruits/nuts	193,801	169,773	178,266	191,970	208,603
Apples	130,985	106,067	111,953	132,860	138,222
Fresh	85,580	68,551	76,067	89,950	91,017
Processing	45,405	37,516	35,886	42,910	47,205
Cherries	4,513	2,165	3,631	2,076	2,000
Tart	4,015	1,570	2,934	1,116	1,146
Grapes	37,584	26,165	39,761	36,264	43,800
Peaches	3,595	2,660	1,757	2,280	4,003
Pears	4,734	3,781	4,848	5,392	5,748
Strawberries	8,346	22,032	11,648	8,988	9,840
Blueberries	1,144	1,646	1,404	1,104	1,021
Other berries	1,100	3,457	1,584	846	1,449
Miscellaneous fruits and nuts	1,800	1,800	1,680	2,160	2,520
All other crops	305,940	293,751	295,206	291,796	279,454
Maple products	9,360	3,366	6,150	4,888	8,747
Other seeds	172	1,376	743	825	644
Other field crops	522	672	470	1,133	1,328
Christmas trees	30,100	30,000	29,000	28,600	27,400
Greenhouse/nursery	261,839	254,390	256,884	253,890	238,875
Floriculture	136,508	127,806	125,237	126,192	108,623
Other greenhouse	125,331	126,584	131,647	127,698	130,252
Mushrooms, agaricus	3,942	3,942	NA	NA	NA
North Carolina					
All commodities	5,561,517	6,041,096	6,442,811	6,890,590	7,831,309
Livestock and products	2,784,197	3,189,963	3,328,970	3,726,030	4,427,323
Meat animals	899,858	1,102,652	1,150,013	1,421,757	1,903,037
Cattle and calves	168,607	171,990	166,689	146,936	153,846
Hogs	730,814	930,022	982,788	1,274,355	1,748,690
Dairy products	218,854	211,248	210,532	189,750	211,756
Milk, wholesale	218,854	211,248	210,532	189,750	211,756
Poultry/eggs	1,612,303	1,822,114	1,911,483	2,053,936	2,249,917
Broilers	855,729	1,004,000	1,061,775	1,161,950	1,310,429
Farm chickens	13,281	13,289	10,350	8,111	9,158
Chicken eggs	180,047	195,193	196,858	203,041	217,875
Turkeys	475,416	519,232	544,800	582,134	612,255
Other poultry	87,830	90,400	97,700	98,700	100,200
Miscellaneous livestock	53,182	53,949	56,942	60,587	62,613
Aquaculture	6,714	7,279	5,820	8,657	9,603
Catfish	1,436	1,495	1,382	1,993	2,466
Trout	5,278	5,784	4,438	6,664	7,137
All other livestock	45,800	45,800	50,120	51,220	52,220
Crops	2,777,320	2,851,133	3,113,841	3,164,560	3,403,986
Food grains	82,660	70,069	93,660	108,956	124,012
Wheat	82,165	69,012	92,729	108,139	123,105
Feed crops	195,300	152,769	165,258	184,913	269,470
Barley	2,674	1,725	1,721	2,923	3,139
Corn	177,990	139,177	148,969	161,625	241,824
Hay	9,998	8,202	10,310	16,758	21,383
Oats	2,893	2,163	2,284	1,585	1,382
Sorghum grain	1,745	1,502	1,974	2,022	1,742
Cotton	144,133	132,762	261,992	278,443	343,232
Cotton lint, all	136,957	125,762	250,067	268,458	326,457
Cottonseed	7,176	7,000	11,925	9,985	16,775
Tobacco	1,049,524	1,029,927	942,931	1,048,523	1,021,487

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Oil crops	329,831	290,471	351,328	248,783	312,896
Peanuts	126,164	94,968	133,988	91,427	95,918
Soybeans	203,467	195,466	217,329	157,352	216,978
Vegetables	197,421	253,758	294,753	281,184	286,906
Potatoes	15,029	17,923	22,529	19,941	21,587
Spring	13,649	17,077	21,815	19,231	20,888
Sweetpotatoes	40,522	42,192	51,802	55,583	53,409
Beans, snap, fresh	6,272	5,824	7,221	6,322	5,580
Cabbage	7,920	8,586	9,500	8,237	5,121
Corn, sweet	4,802	5,678	5,233	4,616	8,505
Cucumbers	19,633	23,207	28,749	21,983	20,243
Fresh	2,604	2,668	3,949	5,388	7,150
Processing	17,029	20,539	24,800	16,595	13,093
Peppers, green	4,326	4,000	6,765	5,130	10,416
Tomatoes	4,848	4,703	6,065	4,179	6,048
Miscellaneous vegetables	89,500	135,000	150,000	145,000	148,000
Watermelons	4,294	6,273	6,210	9,077	6,525
Fruits/nuts	41,291	46,332	57,410	58,841	48,351
Apples	17,882	17,529	21,953	22,655	24,003
Fresh	7,015	7,808	11,121	10,799	11,650
Processing	10,867	9,721	10,832	11,856	12,353
Peaches	2,352	6,029	7,168	7,027	764
Strawberries	7,303	6,556	9,376	12,307	10,787
Blueberries	9,545	13,354	13,878	12,720	11,150
Other berries	325	400	435	430	400
Pecans	2,825	1,300	3,470	2,580	464
Miscellaneous fruits and nuts	45	100	110	105	102
All other crops	737,160	875,045	946,509	954,917	997,632
Other seeds	650	700	750	740	700
Other field crops	4,000	4,000	6,000	6,500	7,000
Christmas trees	NA	75,000	88,000	90,000	100,000
Greenhouse/nursery	732,235	795,113	851,222	857,112	889,397
Floriculture	82,235	85,113	81,222	82,112	89,397
Other greenhouse	650,000	710,000	770,000	775,000	800,000
North Dakota					
All commodities	2,889,633	2,949,417	3,027,577	3,141,141	3,532,393
Livestock and products	650,006	600,407	624,595	567,242	536,777
Meat animals	493,219	455,662	476,079	411,188	360,836
Cattle and calves	444,773	402,198	428,866	366,347	305,457
Hogs	39,533	43,712	38,704	38,228	48,401
Sheep and lambs	8,913	9,752	8,509	6,613	6,978
Dairy products	118,080	107,400	102,480	96,524	107,545
Milk, wholesale	118,080	107,400	102,480	96,524	107,545
Poultry/eggs	10,953	10,805	11,716	15,750	23,204
Chicken eggs	1,401	2,784	1,530	1,504	2,681
Turkeys	8,619	6,843	9,108	12,863	19,404
Other poultry	442	545	459	490	568
Miscellaneous livestock	27,754	26,540	34,320	43,780	45,192
Honey	11,575	10,296	15,566	15,919	17,802
All other livestock	15,094	15,551	18,005	26,861	26,685
Crops	2,239,627	2,349,010	2,402,982	2,573,899	2,995,616
Food grains	1,181,820	1,464,870	1,263,512	1,431,235	1,607,752
Rye	1,800	1,668	1,167	1,176	1,005
Wheat	1,180,020	1,463,202	1,262,345	1,430,059	1,606,747

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Feed crops	379,999	315,358	360,094	388,645	490,025
Barley	237,280	174,885	215,104	230,059	302,768
Corn	78,987	49,809	61,539	100,795	131,696
Hay	43,545	69,189	62,511	40,213	38,538
Oats	20,187	21,475	20,940	17,578	17,023
Oil crops	288,732	219,899	330,149	339,783	409,689
Soybeans	98,991	76,090	82,233	108,940	154,128
Sunflower	169,447	126,131	218,287	190,008	207,936
Vegetables	197,466	183,011	230,829	218,588	282,764
Beans, dry	87,883	80,056	92,278	108,016	149,554
Potatoes	108,083	100,955	136,326	107,572	131,560
Miscellaneous vegetables	1,500	2,000	2,225	3,000	1,650
Fruits/nuts	100	100	100	100	190
Other berries	70	70	70	70	70
Miscellaneous fruits and nuts	30	30	30	30	120
All other crops	191,510	165,772	218,298	195,548	205,196
Sugar beets	155,848	127,903	172,589	153,624	164,728
Other seeds	604	521	379	508	420
Other field crops	7,862	10,122	17,402	13,395	11,905
Christmas trees	196	226	201	190	185
Ohio					
All commodities	4,113,383	4,486,140	4,434,783	4,683,502	5,121,783
Livestock and products	1,553,464	1,651,597	1,563,592	1,589,456	1,944,998
Meat animals	609,392	707,214	570,070	558,844	701,687
Cattle and calves	279,970	351,434	277,443	252,670	293,436
Hogs	321,508	346,097	280,903	297,782	397,788
Sheep and lambs	7,914	9,683	11,724	8,392	10,463
Dairy products	625,110	596,050	596,505	598,670	651,000
Milk, wholesale	625,110	596,050	596,505	598,670	651,000
Poultry/eggs	284,308	321,570	373,068	407,621	565,337
Broilers	30,428	35,698	57,098	67,725	88,695
Farm chickens	2,652	1,996	544	485	390
Chicken eggs	170,296	203,423	229,052	252,973	358,694
Turkeys	58,102	58,638	63,504	67,340	97,662
Other poultry	22,830	21,815	22,870	19,098	19,896
Miscellaneous livestock	34,654	26,763	23,949	24,321	26,974
Honey	752	1,307	1,106	1,147	1,646
Other livestock	33,384	25,019	22,267	22,459	24,973
Mink pelts	1,612	1,547	1,971	1,997	3,611
All other livestock	31,772	23,472	20,296	20,462	21,362
Crops	2,559,919	2,834,543	2,871,191	3,094,046	3,176,785
Food grains	181,530	145,873	202,811	295,836	210,940
Wheat	181,211	145,548	202,428	295,392	210,699
Feed crops	831,358	1,023,422	897,236	988,563	1,024,953
Corn	733,275	929,240	807,043	923,068	947,039
Hay	90,279	88,477	85,590	60,289	72,754
Oats	7,804	5,705	4,603	5,206	5,160
Tobacco	42,169	38,913	32,943	31,740	34,341
Oil crops	791,663	885,941	998,995	1,054,521	1,126,550
Soybeans	791,094	885,466	998,445	1,054,096	1,126,253

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vegetables	133,670	159,409	148,044	128,529	148,254
Potatoes	17,535	19,455	20,179	8,889	9,677
Summer	8,807	10,326	10,829	NA	NA
Fall	8,728	9,129	9,350	8,889	9,677
Beans, snap, fresh	1,818	2,164	2,839	3,219	2,280
Cabbage, fresh	2,965	6,544	4,586	4,694	7,524
Cucumbers	10,184	7,879	9,785	9,505	15,725
Escarole	1,305	2,622	3,542	2,610	3,480
Lettuce	6,875	6,541	4,655	4,029	4,767
Romaine	2,367	3,247	2,167	2,045	2,272
Leaf	4,508	3,294	2,488	1,984	2,495
Onions	1,831	2,462	1,751	1,378	1,336
Peppers, green	1,683	3,155	3,422	4,437	3,318
Tomatoes	39,960	50,378	46,517	36,642	46,671
Fresh	13,995	29,535	21,777	15,904	22,397
Processing	25,965	20,843	24,740	20,738	24,274
Miscellaneous vegetables	33,071	31,442	28,487	26,250	28,554
Cantaloups	869	1,061	1,098	1,263	858
Fruits/nuts	36,868	26,609	31,914	36,758	37,865
Apples	19,842	13,315	20,383	22,720	23,547
Fresh	17,965	11,552	19,091	21,057	22,060
Processing	1,877	1,763	1,292	1,663	1,487
Grapes	2,732	1,710	1,629	2,029	1,906
Peaches	2,812	2,450	NA	2,442	3,280
Strawberries	7,140	4,736	4,880	4,200	3,204
Other berries	3,673	3,729	4,437	4,803	5,307
Miscellaneous fruits and nuts	669	669	585	564	621
All other crops	542,661	554,376	559,248	558,099	593,882
Maple products	1,590	2,228	2,340	1,872	2,565
Other seeds	419	337	216	216	227
Other field crops	26,625	36,750	32,350	25,020	37,670
Christmas trees	14,875	14,875	14,875	14,875	15,229
Greenhouse/nursery	470,796	476,351	483,338	490,699	517,030
Floriculture	143,427	148,982	155,338	155,499	150,330
Other greenhouse	327,369	327,369	328,000	335,200	366,700
Mushrooms, agaricus	16,277	15,974	15,517	16,658	18,183
Oklahoma					
All commodities	3,636,808	3,945,032	3,899,594	3,663,270	3,565,551
Livestock and products	2,517,975	2,808,023	2,699,407	2,571,986	2,439,301
Meat animals	1,994,514	2,237,157	2,087,679	1,956,634	1,772,386
Cattle and calves	1,944,819	2,168,875	1,984,502	1,758,556	1,446,470
Hogs	44,673	63,854	98,720	193,293	320,714
Sheep and lambs	5,022	4,428	4,457	4,785	5,202
Dairy products	166,455	166,562	167,580	168,350	195,622
Milk, wholesale	166,455	166,562	167,580	168,350	195,622
Poultry/eggs	302,184	350,207	400,785	403,565	428,419
Broilers	203,878	239,688	303,582	302,709	328,950
Farm chickens	2,294	2,926	2,833	2,740	2,161
Chicken eggs	69,840	73,333	59,858	64,285	66,868
Other poultry	15,000	22,500	22,500	22,250	17,750
Miscellaneous livestock	54,822	54,097	43,363	43,437	42,874
Other livestock	52,600	52,700	41,900	42,220	42,000
Crops	1,118,833	1,137,009	1,200,187	1,091,284	1,126,250
Food grains	457,291	454,659	477,391	421,851	400,616
Rye	1,335	1,385	2,354	2,216	3,004
Wheat	455,956	453,274	475,037	419,635	397,612

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Feed crops	132,970	136,976	143,067	147,891	231,077
Corn	31,529	36,146	36,818	41,258	66,783
Hay	66,267	66,194	75,269	65,280	101,993
Sorghum grain	33,717	33,289	29,580	40,589	61,628
Cotton	68,692	82,130	100,090	55,080	55,062
Cotton lint, all	60,831	71,000	88,920	48,043	48,598
Cottonseed	7,861	11,130	11,170	7,037	6,464
Oil crops	108,203	98,234	126,576	100,728	103,920
Peanuts	76,522	61,198	80,910	59,086	58,563
Soybeans	31,397	36,723	45,317	41,178	45,068
Vegetables	41,113	47,296	47,066	48,122	44,929
Miscellaneous vegetables	34,500	40,000	40,000	38,000	35,000
Watermelons	4,054	6,490	3,825	6,174	6,101
Fruits/nuts	16,289	17,494	21,418	32,015	7,125
Peaches	1,459	5,104	6,136	10,545	NA
Other berries	4,650	4,800	5,600	5,600	5,600
Pecans	9,930	7,340	9,432	15,620	1,275
Miscellaneous fruits and nuts	250	250	250	250	250
All other crops	294,275	300,220	284,579	285,597	283,521
Other seeds	5,000	7,000	1,950	3,000	850
Other field crops	2,335	4,050	1,510	2,350	3,250
Christmas trees	NA	NA	NA	400	400
Greenhouse/nursery	274,213	275,356	265,977	263,932	263,106
Floriculture	14,213	15,356	15,977	13,932	13,106
Other greenhouse	260,000	260,000	250,000	250,000	250,000
Mushrooms, agaricus	12,727	13,814	15,142	NA	NA
Oregon					
All commodities	2,466,535	2,564,135	2,645,457	2,708,574	2,976,542
Livestock and products	766,090	747,394	721,079	659,973	656,530
Meat animals	386,868	400,765	367,979	322,802	283,013
Cattle and calves	360,019	372,719	341,620	300,607	257,598
Hogs	11,882	12,925	10,200	9,599	8,361
Sheep and lambs	14,967	15,121	16,159	12,596	17,054
Dairy products	225,642	214,577	218,897	212,901	236,999
Milk, retail	12,767	12,977	14,651	14,651	16,744
Milk, wholesale	212,875	201,600	204,246	198,250	220,255
Poultry/eggs	112,679	93,990	91,234	81,891	98,535
Broilers	37,440	33,418	33,325	33,760	40,470
Chicken eggs	43,790	44,306	46,197	36,336	45,633
Other poultry	13,518	12,193	11,452	11,547	12,156
Miscellaneous livestock	40,901	38,062	42,969	42,379	37,983
Honey	1,478	1,989	1,690	2,109	2,985
Wool	1,321	863	1,246	1,930	1,010
Other livestock	37,510	34,195	39,063	37,530	33,363
Mink pelts	4,682	4,725	7,030	6,899	6,700
All other livestock	32,828	29,470	32,033	30,631	26,663
Crops	1,700,445	1,816,741	1,924,378	2,048,601	2,320,012
Food grains	173,330	185,510	204,477	280,897	294,182
Wheat	173,330	185,510	204,477	280,897	294,182

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Feed crops	182,787	210,209	238,903	225,104	262,629
Barley	21,437	14,595	20,772	19,973	24,424
Corn	4,508	5,920	7,222	8,709	13,255
Hay	150,426	185,692	205,671	191,195	219,650
Oats	6,416	4,002	5,238	5,227	5,300
Oil crops	912	1,292	2,226	2,969	2,235
Vegetables	328,384	417,587	389,158	372,753	397,036
Beans, dry	2,713	3,408	4,237	4,668	4,137
Potatoes	91,350	121,733	128,520	133,496	163,838
Fall	13,279	22,070	23,284	28,715	26,414
Other	78,071	99,663	105,236	104,781	137,424
Beans, snap	24,762	22,975	24,877	26,171	24,943
Carrots	12,601	8,324	7,547	1,020	860
Corn, sweet	37,962	37,871	40,063	40,311	40,353
Fresh	6,100	5,591	4,435	4,939	3,510
Processing	31,862	32,280	35,628	35,372	36,843
Onions	87,895	149,115	105,132	82,582	69,241
Storage	65,540	118,410	72,271	56,898	46,201
Storage-West	22,355	30,705	32,861	25,684	23,040
Peas, green	8,472	12,345	12,664	15,923	8,408
Miscellaneous vegetables	38,090	40,528	47,408	51,344	68,450
Fruits/nuts	254,507	219,098	234,811	238,934	260,543
Apples	20,181	19,324	21,221	17,801	17,027
Fresh	16,279	16,703	19,401	15,123	13,636
Processing	3,902	2,621	1,820	2,678	3,391
Cherries	47,520	30,775	29,015	23,903	35,476
Sweet	45,131	30,349	27,830	23,733	34,962
Grapes	9,717	9,840	9,126	13,300	15,300
Peaches	4,511	2,648	4,327	2,675	4,523
Pears	66,740	56,785	53,287	60,488	71,605
Bartlett	19,601	16,355	17,668	17,672	16,236
Other	47,139	40,430	35,619	42,816	55,369
Plums and prunes	3,208	662	1,772	1,206	1,947
Cranberries	13,968	7,254	15,444	8,432	15,475
Strawberries	21,105	26,972	30,825	26,830	22,835
Blueberries	12,010	7,953	9,070	6,900	12,755
Blackberry group	23,637	13,320	18,389	24,848	30,873
Blackberries	19,284	9,535	14,207	20,836	25,433
Boysenberries	4,028	3,429	3,853	3,750	5,193
Other berries	48	75	50	50	50
Filberts	15,180	25,826	17,514	35,424	16,235
Miscellaneous fruits and nuts	1,248	1,455	1,236	1,277	941
All other crops	760,525	783,045	854,803	927,944	1,103,387
Sugar beets	14,617	14,917	15,869	15,877	16,270
Alfalfa	5,375	5,814	6,684	7,311	7,506
Bentgrass	12,062	10,074	9,552	12,149	13,868
Bluegrass-Kentucky	11,013	12,762	11,770	11,938	15,718
Crimson clover	4,104	2,323	2,477	2,933	4,315
Fescue	43,309	46,257	37,610	48,378	96,168
Chewing	6,849	4,380	4,700	3,747	5,362
Hard	NA	1,704	2,740	1,158	750
Red	3,305	3,012	2,122	1,616	2,002
Tall	33,155	37,161	28,048	41,857	88,054
Orchardgrass	8,865	9,593	11,887	13,690	9,752
Red clover	7,088	4,904	3,692	5,230	6,053
Ryegrass	92,025	109,175	135,398	134,828	159,832
Other seeds	28,863	27,782	26,226	26,521	25,330
Hops	21,849	23,108	26,891	26,187	21,709
Mint	51,121	39,156	52,654	60,081	57,652
Peppermint	48,571	37,066	50,750	58,125	55,845
Spearmint	2,550	2,090	1,904	1,956	1,807

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Other field crops	19,038	24,988	21,323	24,424	32,153
Christmas trees	70,733	71,574	75,289	85,517	89,710
Greenhouse/nursery	345,056	352,459	385,000	419,000	441,503
Floriculture	51,095	60,042	66,135	67,283	72,075
Other greenhouse	293,961	292,417	318,865	351,717	369,428
Pennsylvania					
All commodities	3,676,300	3,806,616	3,768,994	3,769,120	4,142,509
Livestock and products	2,558,609	2,620,005	2,604,984	2,553,254	2,864,577
Meat animals	565,605	664,524	590,067	491,706	512,468
Cattle and calves	436,768	511,944	452,713	354,678	338,674
Hogs	124,213	147,123	131,426	132,023	167,872
Sheep and lambs	4,624	5,457	5,928	5,005	5,922
Dairy products	1,485,229	1,410,209	1,444,940	1,456,359	1,662,423
Milk, retail	64,093	64,047	62,860	65,079	69,023
Milk, wholesale	1,421,136	1,346,162	1,382,080	1,391,280	1,593,400
Poultry/eggs	461,032	500,600	526,199	563,400	646,679
Broilers	183,142	183,145	199,828	203,345	245,175
Farm chickens	6,086	6,464	3,300	2,871	3,090
Chicken eggs	197,090	239,785	238,339	265,124	295,160
Turkeys	74,659	71,156	84,672	92,000	103,194
Other poultry	55	50	60	60	60
Miscellaneous livestock	46,743	44,672	43,778	41,789	43,007
Aquaculture	4,314	4,482	5,417	5,147	5,219
Other livestock	41,265	39,252	37,274	35,420	36,496
Mink pelts	1,815	1,742	2,094	2,270	3,356
All other livestock	39,450	37,510	35,180	33,150	33,140
Crops	1,117,691	1,186,611	1,164,010	1,215,866	1,277,932
Food grains	27,410	22,743	24,833	37,950	41,867
Wheat	26,580	22,304	24,449	37,554	41,598
Feed crops	232,795	286,150	271,293	328,799	356,237
Barley	6,640	7,449	6,247	7,417	9,875
Corn	119,120	170,293	144,010	217,911	221,548
Hay	98,718	102,795	117,943	98,139	115,909
Oats	8,317	5,613	3,093	5,332	8,905
Tobacco	27,233	24,413	21,392	11,340	22,420
Oil crops	56,098	64,874	68,544	56,966	63,579
Soybeans	55,816	64,545	68,188	56,565	63,316
Vegetables	98,154	97,674	97,968	86,773	95,249
Potatoes	28,992	32,303	30,538	28,266	29,696
Beans, snap	3,447	3,377	4,125	4,059	2,685
Corn, sweet	21,323	19,770	20,966	16,532	23,674
Fresh	20,572	18,814	19,972	15,756	22,653
Tomatoes	17,815	14,832	16,506	11,453	15,009
Fresh	15,065	13,223	14,440	8,547	12,870
Processing	2,750	1,609	2,066	2,906	2,139
Miscellaneous vegetables	18,000	19,000	19,000	18,000	18,000
Cantaloups	2,150	2,100	2,438	2,730	1,898
Fruits/nuts	97,770	94,521	75,529	97,549	108,044
Apples	45,688	46,261	42,446	45,163	49,445
Fresh	19,680	20,794	20,552	23,120	25,538
Processing	26,008	25,467	21,894	22,043	23,907

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Cherries	3,299	3,513	4,041	2,221	3,267
Sweet	1,653	1,562	1,656	1,209	1,568
Tart	1,646	1,951	2,385	1,012	1,699
Grapes	14,652	11,365	14,557	10,768	16,614
Peaches	20,071	19,925	NA	24,645	24,816
Pears	1,970	1,925	2,200	2,292	1,970
Strawberries	6,490	5,832	5,985	5,760	5,432
Other berries	2,800	2,700	2,800	3,000	3,000
Miscellaneous fruits and nuts	2,800	3,000	3,500	3,700	3,500
All other crops	578,231	596,236	604,451	596,489	590,536
Maple products	2,337	964	1,528	1,079	1,747
Other seeds	650	620	600	600	600
Other field crops	2,700	2,600	3,000	3,000	3,000
Greenhouse/nursery	304,926	315,885	313,315	314,680	318,004
Floriculture	104,926	105,885	108,315	114,680	118,004
Other greenhouse	200,000	210,000	205,000	200,000	200,000
Mushrooms, agaricus	261,669	266,056	272,432	265,090	254,600
Rhode Island					
All commodities	74,758	79,118	80,422	79,243	82,867
Livestock and products	13,786	12,535	12,087	9,156	11,294
Meat animals	1,641	1,697	1,526	1,155	2,103
Cattle and calves	1,134	997	926	762	1,598
Dairy products	4,554	4,370	4,368	4,334	4,805
Milk, wholesale	4,554	4,370	4,368	4,334	4,805
Poultry/eggs	4,989	4,923	4,856	2,412	3,148
Chicken eggs	4,323	4,333	4,429	1,842	2,580
Other poultry	651	558	415	551	566
Miscellaneous livestock	2,602	1,545	1,337	1,255	1,238
Aquaculture	239	239	51	83	83
Other livestock	2,306	1,263	1,265	1,142	1,129
Crops	60,972	66,583	68,335	70,087	71,573
Feed crops	516	472	451	430	540
Vegetables	5,553	6,607	6,725	6,469	6,740
Potatoes	1,808	1,633	1,542	1,708	1,545
Miscellaneous vegetables	2,528	3,000	2,950	3,060	3,245
Fruits/nuts	3,333	3,369	3,279	3,168	3,203
Apples	1,547	1,584	1,474	1,353	1,381
Other berries	1,374	1,375	1,400	1,400	1,400
Miscellaneous fruits and nuts	412	410	405	415	422
All other crops	51,570	56,135	57,880	60,020	61,090
Other field crops	9,445	9,820	9,930	10,080	10,140
Christmas trees	875	940	950	940	950
Greenhouse/nursery	41,250	45,375	47,000	49,000	50,000
South Carolina					
All commodities	1,201,439	1,250,733	1,395,740	1,429,652	1,602,056
Livestock and products	536,562	601,155	616,238	613,472	737,210
Meat animals	176,493	205,111	183,774	148,322	143,079
Cattle and calves	112,583	132,957	123,414	91,697	74,588
Hogs	63,898	72,143	60,315	56,579	68,437

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Dairy products	61,036	59,887	60,745	55,304	62,185
Milk, retail	2,344	2,377	1,651	1,019	1,060
Milk, wholesale	58,692	57,510	59,094	54,285	61,125
Poultry/eggs	286,879	323,486	355,337	390,946	512,343
Broilers	136,317	169,752	206,080	234,738	306,657
Farm chickens	2,731	2,345	1,792	1,380	1,401
Chicken eggs	69,094	69,442	70,389	70,680	87,108
Turkeys	70,637	74,172	69,136	75,778	107,717
Other poultry	8,100	7,775	7,940	8,370	9,460
Miscellaneous livestock	12,154	12,671	16,382	18,900	19,603
Aquaculture	799	616	1,974	1,770	3,223
Other livestock	10,760	11,460	13,580	16,100	15,460
Crops	664,877	649,578	779,502	816,180	864,846
Food grains	40,688	30,455	52,265	39,281	58,629
Wheat	39,627	29,797	51,280	38,518	57,729
Feed crops	54,563	34,439	50,431	63,375	83,409
Corn	44,786	26,589	36,400	51,625	71,819
Hay	7,112	6,036	10,299	10,225	9,890
Oats	1,670	1,001	2,233	910	1,209
Cotton	74,561	63,370	127,427	131,782	157,690
Cotton, Upland	69,933	58,600	120,642	125,235	148,134
Cottonseed	4,628	4,770	6,785	6,547	9,556
Tobacco	190,448	185,612	182,689	186,795	214,650
Oil crops	90,426	74,603	71,004	90,738	88,132
Peanuts	9,425	6,983	9,933	9,016	7,975
Soybeans	80,655	67,248	60,437	81,448	79,991
Vegetables	53,248	86,614	88,620	91,786	75,399
Sweetpotatoes	2,938	2,475	2,739	2,412	3,507
Beans, snap, fresh	1,727	1,140	2,310	1,832	1,800
Cucumbers	6,052	10,777	10,431	9,334	8,472
Fresh	1,490	3,318	4,520	5,590	5,520
Processing	4,562	7,459	5,911	3,744	2,952
Tomatoes, fresh	22,450	40,320	35,700	44,733	34,200
Miscellaneous vegetables	15,562	27,320	32,490	28,220	23,200
Watermelons	4,343	4,200	4,800	5,235	4,180
Fruits/nuts	35,773	39,838	53,610	48,092	10,085
Apples	9,901	6,814	7,424	6,940	4,612
Fresh	7,364	4,774	5,534	5,200	2,603
Processing	2,537	2,040	1,890	1,740	2,009
Peaches	23,550	27,570	35,640	34,240	1,478
Other berries	1,104	1,700	2,000	2,300	1,900
Pecans	351	2,234	7,002	3,315	1,631
Miscellaneous fruits and nuts	344	811	1,050	1,000	40
All other crops	125,170	134,647	153,456	164,331	176,852
Other seeds	1,169	2,000	2,500	2,600	2,700
Other field crops	772	2,202	2,800	3,500	3,400
Christmas trees	2,850	2,700	3,000	3,000	3,000
Greenhouse/nursery	120,379	127,745	144,998	155,060	167,578
Floriculture	15,379	15,745	21,998	25,060	27,578
Other greenhouse	105,000	112,000	123,000	130,000	140,000

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
South Dakota					
All commodities	3,110,969	3,200,194	3,335,563	3,396,482	3,683,512
Livestock and products	1,766,575	1,963,956	1,701,639	1,700,001	1,632,765
Meat animals	1,481,110	1,679,999	1,424,009	1,416,790	1,311,259
Cattle and calves	1,102,265	1,290,897	1,076,792	1,067,088	945,528
Hogs	346,693	354,576	316,335	313,360	324,917
Sheep and lambs	32,152	34,526	30,882	36,342	40,814
Dairy products	210,816	207,174	201,728	195,875	211,700
Milk, wholesale	210,816	207,174	201,728	195,875	211,700
Poultry/eggs	51,119	51,437	46,845	55,812	71,208
Turkeys	29,694	26,910	27,270	34,944	43,200
Chicken eggs	16,846	19,874	14,219	15,381	23,140
Other poultry	3,353	3,652	4,353	4,591	4,240
Miscellaneous livestock	23,530	25,346	29,057	31,524	38,598
Honey	10,812	12,485	13,520	14,484	21,185
Wool	3,686	2,552	3,349	4,284	2,757
Other livestock	9,032	10,309	12,188	12,756	14,656
Mink pelts	1,885	1,809	2,332	2,353	4,285
All other livestock	7,147	8,500	9,856	10,403	10,371
Crops	1,344,394	1,236,238	1,633,924	1,696,481	2,050,747
Food grains	340,830	376,846	338,532	390,156	523,551
Rye	2,458	2,760	2,639	3,292	3,287
Wheat	338,372	374,086	335,893	386,864	520,264
Feed crops	588,265	529,119	650,439	648,756	780,615
Barley	31,209	21,695	20,550	19,202	15,807
Corn	418,417	330,254	465,331	502,772	635,461
Hay	93,022	136,639	123,937	95,590	96,249
Oats	26,554	20,942	20,809	13,579	16,133
Sorghum grain	19,063	19,589	19,812	17,613	16,965
Oil crops	371,437	287,432	540,809	591,084	679,026
Flaxseed	820	1,816	1,426	1,141	893
Soybeans	314,441	218,501	402,136	452,060	560,509
Sunflower	54,270	65,986	135,431	136,066	115,908
Vegetables	7,353	6,291	9,126	7,133	11,151
Potatoes	6,428	4,964	6,008	4,992	8,879
Miscellaneous vegetables	925	1,327	3,118	2,141	2,272
Fruits/nuts	175	158	150	152	166
Other berries	56	68	52	50	55
Miscellaneous fruits and nuts	119	90	98	102	111
All other crops	36,334	36,392	94,868	59,200	56,238
Other seeds	4,912	4,791	4,403	6,223	2,460
Other field crops	17,835	17,551	75,925	38,147	38,208
Greenhouse/nursery	13,551	14,050	14,540	14,830	15,570
Tennessee					
All commodities	2,090,890	2,025,459	2,172,627	2,120,433	2,371,873
Livestock and products	998,888	961,598	971,709	892,595	997,660
Meat animals	542,515	482,326	498,414	420,212	462,987
Cattle and calves	440,709	378,894	420,529	329,545	355,971
Hogs	101,609	102,859	77,550	90,451	106,453
Dairy products	260,820	250,240	247,390	239,430	253,590
Milk, wholesale	260,820	250,240	247,390	239,430	253,590

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Poultry/eggs	166,228	199,793	196,987	203,756	252,133
Broilers	152,685	182,061	181,071	185,900	232,155
Chicken eggs	12,925	16,985	15,360	17,526	19,553
Miscellaneous livestock	29,325	29,239	28,918	29,197	28,950
Other livestock	27,900	27,900	27,900	27,900	27,900
Crops	1,092,002	1,063,861	1,200,918	1,227,838	1,374,213
Food grains	39,997	38,945	46,983	59,498	82,657
Wheat	39,997	38,945	46,983	59,498	82,657
Feed crops	143,901	137,908	138,769	172,653	228,140
Corn	114,448	108,288	109,333	135,074	188,040
Hay	22,217	22,494	23,630	33,174	35,917
Sorghum grain	7,236	7,126	5,806	4,405	4,183
Cotton	247,901	183,087	289,402	287,872	275,895
Cotton lint, all	219,553	162,601	259,206	259,610	246,721
Cottonseed	28,348	20,486	30,196	28,262	29,174
Tobacco	246,389	266,089	247,968	205,439	218,810
Oil crops	184,317	190,939	214,600	224,033	272,953
Soybeans	184,098	190,903	214,591	224,033	272,953
Vegetables	47,738	53,726	65,208	58,464	62,416
Beans, snap, fresh	6,733	8,359	11,583	8,877	10,505
Tomatoes	15,120	19,008	24,219	17,199	17,544
Miscellaneous vegetables	24,269	24,814	26,363	29,813	30,814
Fruits/nuts	10,049	10,430	7,468	9,595	9,281
Apples	2,184	2,557	1,759	2,705	2,305
Peaches	1,451	2,888	646	1,841	270
Other berries	5,731	4,238	3,948	3,948	6,181
Miscellaneous fruits and nuts	538	687	876	994	525
All other crops	171,710	182,737	190,520	210,284	224,061
Other seeds	239	209	236	236	296
Other field crops	5,585	5,510	5,732	8,938	6,917
Greenhouse/nursery	144,754	154,239	157,729	171,545	187,182
Floriculture	27,254	30,396	31,629	34,545	35,030
Other greenhouse	117,500	123,843	126,100	137,000	152,152
Texas					
All commodities	11,466,709	12,730,745	12,932,250	13,108,475	13,053,234
Livestock and products	7,522,441	8,211,274	8,112,253	8,450,784	7,758,029
Meat animals	5,792,846	6,345,962	6,022,962	6,439,126	5,499,461
Cattle and calves	5,644,620	6,188,563	5,882,207	6,295,596	5,331,297
Hogs	78,508	89,367	76,838	79,448	93,663
Sheep and lambs	69,718	68,032	63,917	64,082	74,501
Dairy products	760,213	780,710	830,800	791,570	920,798
Milk, wholesale	760,213	780,710	830,800	791,570	920,798
Poultry/eggs	816,621	897,788	950,176	961,219	1,118,391
Broilers	553,784	608,700	659,453	646,316	726,264
Farm chickens	1,330	2,179	2,948	2,310	1,937
Chicken eggs	181,755	202,541	198,147	216,691	290,646
Other poultry	1,000	1,000	1,000	1,100	800
Miscellaneous livestock	152,761	186,814	308,315	258,869	219,379
Honey	5,525	4,391	3,811	5,966	5,921
Mohair	12,354	11,197	30,602	20,940	14,606
Wool	16,896	11,050	15,582	15,488	8,316

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Aquaculture	2,386	1,576	3,720	875	936
Other livestock	115,600	158,600	254,600	215,600	189,600
Crops	3,944,268	4,519,471	4,819,997	4,657,691	5,295,205
Food grains	515,496	414,473	399,603	421,533	506,911
Rice	158,179	79,481	173,231	137,011	181,264
Wheat	356,748	334,258	225,344	283,661	325,032
Feed crops	1,038,829	977,250	1,084,490	1,220,131	1,412,217
Corn	475,806	447,698	610,281	711,240	684,348
Hay	130,211	130,016	133,340	120,186	165,559
Oats	4,190	7,438	6,251	3,262	3,789
Sorghum grain	428,299	391,514	334,084	384,977	557,745
Cotton	951,502	1,622,010	1,837,139	1,357,721	1,809,633
Cotton lint, all	827,012	1,414,351	1,645,296	1,177,366	1,610,622
Upland	811,875	1,378,557	1,620,782	1,159,877	1,584,181
Long staple	15,137	35,794	24,514	17,489	26,441
Cottonseed	124,490	207,659	191,843	180,355	199,011
Oil crops	247,063	194,439	202,927	198,179	221,798
Peanuts	182,960	162,852	172,587	155,131	170,872
Soybeans	58,045	26,210	26,454	38,438	46,290
Sunflower	5,961	5,122	3,777	4,545	4,505
Vegetables	351,004	407,675	394,837	452,034	348,106
Beans, dry	6,275	8,529	6,494	3,464	2,816
Potatoes	30,839	30,433	34,293	27,464	23,439
Summer	24,484	19,807	23,950	19,605	15,791
Sweetpotatoes	10,560	17,074	11,558	8,569	16,147
Cabbage	44,496	46,851	30,666	54,570	40,330
Carrots	13,799	13,718	12,839	18,303	20,720
Celery	5,363	12,463	6,916	8,280	4,745
Corn, sweet	2,608	3,150	1,555	2,720	1,120
Cucumbers	18,522	14,296	19,938	15,105	12,236
Fresh	4,444	2,736	3,630	2,518	1,512
Processing	14,078	11,560	16,308	12,587	10,724
Onions	64,921	90,306	64,813	83,821	50,930
Spring	55,301	72,522	50,333	72,250	39,010
Summer, nonstorage	9,620	17,784	14,480	11,571	11,920
Peppers, green	34,853	23,200	29,753	30,215	22,604
Spinach	11,693	11,428	10,608	11,572	9,803
Fresh	6,688	5,376	4,649	5,944	3,758
Processing	5,005	6,052	5,959	5,628	6,045
Tomatoes, fresh	2,191	4,810	4,277	8,064	7,722
Miscellaneous vegetables	4,732	17,247	22,918	27,320	23,916
Cantaloups	32,895	37,306	52,348	54,659	47,124
Honeydews	17,856	17,888	14,760	21,156	12,352
Watermelons	35,964	50,400	60,060	67,165	48,136
Fruits/nuts	102,720	83,489	74,019	105,129	67,288
Grapefruit	2,331	17,835	13,486	19,438	20,097
Fresh pink seedless	2,304	16,307	11,509	17,051	18,351
Processing pink seedless	27	1,528	1,977	2,387	1,746
Oranges	1,697	4,904	3,151	8,541	7,088
Naval, fresh early and mid	1,548	4,213	2,479	6,519	5,935
Peaches	7,696	8,136	5,811	6,480	3,848
Pecans	87,300	48,000	48,800	68,110	29,000
Miscellaneous fruits and nuts	3,696	4,614	2,771	2,560	7,255
All other crops	737,654	820,135	826,982	902,964	929,252
Sugar beets	28,911	25,513	18,290	12,812	8,833
Cane for sugar	33,731	37,126	40,544	36,282	24,472
Sorghum Sudan crosses	4,000	3,000	5,000	4,000	5,000
Other seeds	21	88	97	75	56
Other field crops	2,350	1,333	853	587	382

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Christmas trees	9,000	16,000	10,000	21,000	16,000
Greenhouse/nursery	628,000	707,000	721,000	792,000	838,000
Floriculture	157,656	181,171	174,733	179,934	183,852
Other greenhouse	470,344	525,829	546,267	612,066	654,148
Utah					
All commodities	766,137	831,397	826,950	812,019	873,143
Livestock and products	572,604	613,708	597,101	591,331	646,139
Meat animals	288,294	324,755	301,793	289,677	283,824
Cattle and calves	268,701	301,883	280,846	261,437	244,193
Hogs	4,435	5,654	4,752	5,629	18,014
Sheep and lambs	15,158	17,218	16,195	22,611	21,617
Dairy products	169,532	165,065	181,930	181,837	219,475
Milk, retail	13,814	12,726	13,786	12,074	13,395
Milk, wholesale	155,718	152,339	168,144	169,763	206,080
Poultry/eggs	63,824	70,566	59,531	69,268	73,536
Chicken eggs	21,774	23,655	18,453	20,135	21,885
Other poultry	610	720	834	7,867	10,570
Miscellaneous livestock	50,954	53,322	53,847	50,549	69,304
Honey	1,527	1,224	1,345	686	1,329
Wool	3,414	2,240	2,690	3,535	2,009
Other livestock	42,931	46,878	47,464	42,732	63,477
Mink pelts	16,145	15,494	20,460	17,490	30,267
All other livestock	26,786	31,384	27,004	25,242	33,210
Crops	193,533	217,689	229,849	220,688	227,004
Food grains	20,596	21,585	25,249	32,475	38,060
Wheat	20,596	21,585	25,249	32,475	38,060
Feed crops	80,691	104,543	112,813	110,663	108,210
Barley	15,009	18,247	14,364	19,366	22,691
Corn	5,822	5,510	5,796	5,696	6,682
Hay	59,239	79,745	91,870	85,008	78,119
Oil crops	714	1,108	1,421	1,581	1,397
Vegetables	35,263	35,338	31,913	23,089	23,462
Potatoes	8,376	8,254	8,203	6,933	6,614
Onions	7,670	9,914	6,714	5,634	6,150
Miscellaneous vegetables	17,063	14,643	14,447	10,036	10,200
Fruits/nuts	15,854	11,085	12,275	8,975	14,315
Apples	7,094	6,117	5,268	3,726	5,977
Fresh	6,252	5,517	4,655	3,016	5,363
Cherries	5,909	2,109	4,296	2,270	4,884
Sweet	1,709	1,149	2,030	1,646	2,490
Tart	4,200	960	2,266	624	2,394
Peaches	1,364	1,392	1,518	1,550	1,584
Other berries	348	471	343	675	743
Miscellaneous fruits and nuts	349	310	296	294	292
All other crops	40,415	44,030	46,178	43,905	41,560
Other seeds	1,442	1,302	1,252	1,277	1,675
Other field crops	669	640	387	490	481
Christmas trees	134	137	140	143	146
Greenhouse/nursery	32,754	35,546	36,842	34,983	32,378
Floriculture	20,707	23,499	24,795	28,305	25,333
Other greenhouse	12,047	12,047	12,047	6,678	7,045

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Vermont					
All commodities	479,687	487,593	475,879	470,232	534,666
Livestock and products	386,428	402,232	390,081	380,358	437,057
Meat animals	34,398	60,007	50,219	40,816	35,413
Cattle and calves	32,346	58,002	48,670	39,527	34,305
Dairy products	343,198	332,850	331,262	331,204	392,688
Milk, retail	1,786	1,870	1,870	1,870	1,926
Milk, wholesale	341,412	330,980	329,392	329,334	390,762
Poultry/eggs	3,555	3,995	2,611	2,204	2,647
Chicken eggs	2,532	2,600	1,655	1,190	1,733
Other poultry	639	820	277	278	282
Miscellaneous livestock	5,277	5,380	5,989	6,134	6,309
Aquaculture	331	331	300	324	324
Other livestock	4,595	4,620	5,265	5,446	5,563
Crops	93,259	85,361	85,798	89,874	97,609
Feed crops	16,311	14,794	12,347	12,079	11,164
Hay	16,311	14,794	12,347	12,079	11,164
Vegetables	9,874	9,797	11,200	12,300	13,500
Miscellaneous vegetables	8,363	7,808	9,484	10,800	11,316
Fruits/nuts	10,398	9,560	8,607	9,791	10,153
Apples	7,043	5,504	6,165	7,043	7,098
Fresh	6,180	4,908	5,639	6,383	6,344
Other berries	3,297	4,000	2,400	2,700	3,000
Miscellaneous fruits and nuts	58	56	42	48	55
All other crops	56,676	51,210	53,644	55,704	62,792
Maple products	12,711	7,440	10,397	10,147	14,575
Other field crops	5,365	3,170	3,647	3,557	4,757
Christmas trees	13,600	13,600	11,600	12,000	12,460
Greenhouse/nursery	25,000	27,000	28,000	30,000	31,000
Virginia					
All commodities	2,144,054	2,122,461	2,194,166	2,230,400	2,378,146
Livestock and products	1,354,561	1,415,072	1,409,431	1,392,851	1,477,983
Meat animals	416,814	424,696	370,104	321,069	297,881
Cattle and calves	336,371	339,302	292,424	252,371	211,294
Hogs	74,036	78,838	72,220	63,341	81,410
Sheep and lambs	6,407	6,556	5,460	5,357	5,177
Dairy products	291,888	276,500	272,272	266,340	289,980
Milk, wholesale	291,888	276,500	272,272	266,340	289,980
Poultry/eggs	555,473	618,058	664,131	695,148	773,829
Broilers	330,145	370,986	397,880	400,828	466,388
Farm chickens	2,497	2,273	2,321	1,669	1,716
Chicken eggs	63,252	65,437	69,325	68,318	75,366
Turkeys	137,879	157,080	171,864	198,810	204,250
Other poultry	21,700	22,282	22,741	25,523	26,109
Miscellaneous livestock	90,386	95,818	102,924	110,294	116,293
Aquaculture	13,555	14,983	17,084	19,508	20,978
Trout	2,030	2,075	1,966	2,199	2,222
Other aquaculture	11,525	12,908	15,118	17,309	18,756
All other livestock	76,200	80,200	85,200	90,200	94,673

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Crops	789,493	707,389	784,735	837,549	900,163
Food grains	45,757	39,091	44,061	65,516	69,692
Wheat	45,348	38,863	43,719	65,281	69,253
Feed crops	105,109	82,182	85,959	107,859	146,622
Barley	9,561	7,742	6,305	10,525	12,344
Corn	66,630	44,920	52,449	66,518	96,338
Hay	28,918	29,520	27,205	30,816	37,940
Cotton	7,722	9,365	25,700	42,072	57,575
Cotton lint, all	6,986	8,464	23,564	38,952	52,929
Tobacco	189,667	180,807	168,590	174,906	187,793
Oil crops	161,586	131,189	160,622	141,704	154,599
Peanuts	81,476	53,580	80,075	61,928	58,981
Soybeans	79,982	77,506	80,491	79,750	95,600
Vegetables	104,230	85,520	113,683	110,119	73,948
Potatoes	16,799	19,504	19,373	21,362	20,187
Beans, snap, fresh	3,300	3,213	5,869	5,789	4,182
Cabbage, fresh	5,363	4,921	5,700	4,250	3,393
Corn, sweet, fresh	2,548	1,625	2,397	1,328	1,411
Cucumbers, fresh	15,184	4,390	9,127	9,480	7,800
Peppers, green	2,842	3,430	4,914	6,595	1,764
Spinach	2,159	931	1,782	579	0
Tomatoes, fresh	40,672	34,170	47,583	43,586	24,898
Miscellaneous vegetables	13,230	9,261	14,553	14,000	8,400
Fruits/nuts	46,881	43,669	45,129	53,045	52,980
Apples	32,887	27,791	30,108	34,445	39,024
Fresh	13,072	10,516	13,542	16,987	21,947
Processing	19,815	17,275	16,566	17,458	17,077
Peaches	3,858	4,005	2,486	5,750	4,420
Other berries	1,882	2,014	2,070	2,150	1,613
Miscellaneous fruits and nuts	8,254	9,859	10,465	10,700	7,923
All other crops	128,541	135,566	140,991	142,328	156,954
Other field crops	1,331	1,452	1,512	1,511	1,579
Christmas trees	9,982	10,381	10,481	10,500	11,025
Greenhouse/nursery	117,181	123,642	128,906	130,287	144,317
Floriculture	44,387	47,820	51,670	52,287	61,067
Other greenhouse	72,794	75,822	77,236	78,000	83,250
Washington					
All commodities	4,361,522	4,665,592	4,768,676	5,214,525	5,680,980
Livestock and products	1,474,301	1,564,675	1,625,527	1,583,421	1,664,390
Meat animals	607,681	706,231	700,064	652,353	626,399
Cattle and calves	598,036	696,456	691,250	645,033	611,337
Hogs	6,912	5,966	5,410	4,532	10,979
Sheep and lambs	2,733	3,809	3,404	2,788	4,083
Dairy products	645,710	635,005	677,191	684,172	788,075
Milk, retail	49,730	50,140	57,191	56,112	55,535
Milk, wholesale	595,980	584,865	620,000	628,060	732,540
Poultry/eggs	144,578	154,506	172,429	178,872	179,463
Broilers	58,374	61,200	70,140	68,138	74,480
Chicken eggs	68,948	74,628	83,403	93,241	89,961
Other poultry	16,982	18,419	18,612	17,234	14,798

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Miscellaneous livestock	76,332	68,933	75,843	68,024	70,453
Honey	2,042	1,647	2,009	2,018	2,942
Aquaculture	57,583	49,995	55,992	46,922	46,509
Trout	5,864	5,889	4,760	6,368	5,955
Other aquaculture	51,719	44,106	51,232	40,554	40,554
Other livestock	16,388	17,021	17,593	18,769	20,746
Mink pelts	3,373	3,237	3,502	3,587	5,576
All other livestock	13,015	13,784	14,091	15,182	15,170
Crops	2,887,221	3,100,917	3,143,149	3,631,104	4,016,590
Food grains	436,442	481,296	520,899	706,986	774,530
Wheat	436,442	481,296	520,899	706,986	774,530
Feed crops	245,908	267,744	260,822	309,204	364,768
Barley	39,370	39,174	29,538	57,629	70,237
Corn	32,888	33,687	39,422	49,512	61,912
Hay	171,125	192,481	190,139	200,844	231,104
Oats	2,525	2,402	1,723	1,219	1,515
Oil crops	1,716	1,831	3,718	3,664	4,744
Vegetables	573,002	781,897	810,410	818,163	831,098
Beans, dry	16,220	17,384	20,155	19,354	18,444
Peas, dry	15,650	20,660	20,066	34,410	19,416
Dry, edible	13,760	16,934	15,781	26,640	16,006
Wrinkled seed	1,890	3,726	4,285	7,770	3,410
Lentils (beans)	17,995	17,490	12,710	17,745	12,822
Potatoes	288,244	407,272	443,748	415,816	470,293
Asparagus	59,040	55,790	56,304	58,659	63,312
Fresh	28,644	25,806	24,304	25,179	30,552
Processing	30,396	29,984	32,000	33,480	32,760
Carrots	27,143	23,409	25,440	34,449	24,784
Corn, sweet	41,461	47,697	53,053	69,221	57,584
Fresh	3,931	4,998	4,234	5,220	5,850
Processing	37,530	42,699	48,819	64,001	51,734
Lettuce	4,061	3,188	3,432	4,586	2,200
Onions	29,886	108,785	62,702	52,059	55,792
Summer, nonstorage	6,474	7,020	6,372	6,160	5,639
Storage	23,412	101,765	56,330	45,899	50,153
Peas, green	22,645	22,115	33,805	30,246	20,408
Miscellaneous vegetables	43,960	49,720	67,850	70,010	75,750
Fruits/nuts	1,149,827	1,062,351	1,014,180	1,231,952	1,466,167
Apples	824,910	703,048	692,793	859,979	1,098,717
Fresh	720,426	635,222	635,751	769,067	983,871
Processing	104,484	67,826	57,042	90,912	114,846
Apricots	5,070	6,280	4,989	6,659	4,728
Cherries	77,711	97,009	91,157	107,899	121,255
Sweet	74,895	94,036	88,700	106,519	118,940
Tart	2,816	2,973	2,457	1,380	2,315
Grapes	66,747	89,929	57,600	73,676	57,744
Peaches	10,732	10,145	8,953	13,994	5,555
Pears	115,086	102,714	92,768	107,513	120,020
Bartlett	46,236	43,831	39,367	41,436	39,518
Other	68,850	58,883	53,401	66,077	80,502
Plums and prunes	1,784	1,527	1,281	2,046	2,685
Cranberries	7,615	6,371	9,453	8,779	8,928
Strawberries	4,856	5,946	5,456	5,426	6,605
Blueberries	5,771	3,409	4,182	3,096	5,639
Raspberries	22,005	28,126	39,423	35,182	30,459
Other berries	1,076	1,030	845	676	748
Miscellaneous fruits and nuts	6,340	6,680	5,190	6,840	2,990
All other crops	480,326	505,798	533,120	561,135	575,283
Alfalfa	10,560	11,400	10,735	10,005	11,748
Bluegrass-Kentucky	11,303	15,729	12,864	13,694	17,457
Other seeds	2,784	2,940	3,456	2,387	4,158

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
Hops	98,223	101,220	96,775	99,290	93,953
Mint	50,857	43,000	44,001	51,547	54,734
Peppermint	19,264	20,238	26,773	34,272	35,783
Spearmint	31,593	22,762	17,228	17,275	18,951
Other field crops	51,000	52,500	55,000	62,000	68,000
Christmas trees	37,000	42,000	42,000	42,000	45,000
Greenhouse/nursery	204,575	220,090	240,000	245,792	246,452
Floriculture	71,182	68,765	68,496	73,187	71,452
Other greenhouse	133,393	151,325	171,504	172,605	175,000
West Virginia					
All commodities	328,415	397,035	401,884	390,940	388,170
Livestock and products	249,480	321,759	330,978	311,981	308,191
Meat animals	107,591	127,615	97,970	76,390	55,683
Cattle and calves	99,398	119,988	90,807	69,269	48,459
Hogs	5,554	4,886	4,260	3,516	3,535
Sheep and lambs	2,639	2,741	2,903	3,605	3,689
Dairy products	36,448	35,370	36,046	34,190	37,848
Milk, wholesale	36,448	35,370	36,046	34,190	37,848
Poultry/eggs	98,980	152,338	190,971	195,753	208,765
Broilers	55,780	99,891	128,774	131,052	148,013
Chicken eggs	13,433	19,524	23,958	23,502	22,610
Turkeys	29,290	32,164	37,498	40,608	37,620
Other poultry	7	7	7	8	9
Miscellaneous livestock	6,461	6,436	5,991	5,648	5,895
All other livestock	5,225	5,475	4,750	4,720	4,760
Crops	78,935	75,276	70,906	78,959	79,979
Food grains	1,560	1,390	1,534	2,204	2,072
Wheat	1,560	1,390	1,534	2,204	2,072
Feed crops	17,861	20,553	18,533	21,316	25,662
Corn	6,887	8,472	7,213	8,275	10,852
Hay	10,547	11,807	11,025	12,799	14,620
Tobacco	6,529	6,480	6,529	5,749	3,775
Oil crops	6	NA	NA	NA	NA
Vegetables	5,800	6,300	6,000	5,800	5,600
Miscellaneous vegetables	5,800	6,300	6,000	5,800	5,600
Fruits/nuts	28,130	25,532	20,595	25,877	24,355
Apples	18,303	15,952	13,975	16,057	13,019
Fresh	6,343	6,418	6,221	8,076	5,401
Processing	11,960	9,534	7,754	7,981	7,618
Peaches	2,843	2,442	NA	3,700	5,726
Other berries	225	235	240	240	220
Miscellaneous fruits and nuts	6,759	6,903	6,380	5,880	5,390
All other crops	19,049	15,021	17,715	18,013	18,515
Other field crops	2,480	2,000	4,500	4,600	5,000
Greenhouse/nursery	16,500	13,000	13,200	13,400	13,500

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
<i>Thousand dollars</i>					
Wisconsin					
All commodities	5,669,899	5,402,559	5,381,935	5,673,705	6,061,542
Livestock and products	4,280,066	4,108,241	3,961,530	3,948,969	4,288,078
Meat animals	973,957	975,236	860,438	789,006	739,130
Cattle and calves	767,583	737,547	653,558	611,214	543,626
Hogs	201,124	232,178	201,681	171,847	190,001
Sheep and lambs	5,250	5,511	5,199	5,945	5,503
Dairy products	3,097,803	2,906,048	2,873,682	2,915,917	3,261,815
Milk, wholesale	3,097,189	2,905,406	2,872,998	2,915,233	3,261,815
Poultry/eggs	174,189	185,693	185,230	197,828	218,112
Broilers	22,770	26,208	24,690	34,941	57,874
Chicken eggs	29,431	32,117	30,169	30,635	45,248
Other poultry	39,080	39,153	41,542	36,772	42,722
Miscellaneous livestock	34,117	41,264	42,180	46,218	69,021
Honey	4,019	4,838	3,195	4,037	4,467
Aquaculture	1,548	1,838	1,269	1,950	1,821
Other livestock	28,332	34,406	37,501	39,905	62,536
Mink pelts	17,286	16,771	19,471	20,163	35,896
All other livestock	11,046	17,635	18,030	19,742	26,640
Crops	1,389,833	1,294,318	1,420,405	1,724,736	1,773,464
Food grains	11,074	13,183	25,461	33,963	28,560
Wheat	10,542	12,710	23,931	32,825	27,684
Feed crops	599,177	521,636	525,224	795,184	788,178
Barley	7,149	5,583	6,381	7,832	10,245
Corn	488,440	389,274	424,401	697,350	706,978
Hay	88,728	113,089	84,655	80,480	56,389
Oats	14,860	13,690	9,787	9,522	14,566
Tobacco	22,224	19,070	10,352	8,670	8,993
Oil crops	121,768	127,197	165,540	199,986	235,680
Soybeans	120,976	126,387	164,335	198,013	234,473
Vegetables	353,515	328,903	384,819	364,432	379,580
Beans, dry	4,943	5,707	5,424	4,396	3,849
Potatoes	109,399	120,116	131,802	138,554	153,580
Beans, snap	29,869	34,182	40,068	31,386	34,300
Beets	1,667	2,145	2,818	3,559	2,713
Cabbage	17,600	6,804	8,909	10,823	8,033
Fresh	14,252	5,772	5,119	7,350	5,392
Processing	3,348	1,032	3,790	3,473	2,641
Carrots	8,686	6,153	9,084	5,309	4,828
Corn, sweet	48,370	38,739	66,667	56,980	63,964
Fresh	NA	NA	4,158	6,828	8,850
Processing	48,370	38,739	62,509	50,152	55,114
Cucumbers	7,750	11,309	10,032	8,228	5,398
Onions	3,118	8,207	6,519	4,250	6,063
Peas, green	36,851	14,480	24,429	22,807	25,893
Miscellaneous vegetables	84,087	79,923	77,400	76,074	69,633
Fruits/nuts	88,160	86,231	105,604	115,891	120,536
Apples	13,502	13,239	17,683	11,914	13,537
Fresh	12,758	12,728	17,136	11,508	12,985
Cranberries	68,715	67,592	81,124	97,581	100,812
Strawberries	4,158	4,560	5,246	5,170	4,312
Other berries	342	320	335	850	850
Miscellaneous fruits and nuts	110	90	90	84	80

See footnotes at end of table.

Continued—

Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96¹—Continued

State and commodity	1992	1993	1994	1995	1996
	<i>Thousand dollars</i>				
All other crops	193,915	198,098	203,405	206,610	211,937
Maple products	2,496	2,079	2,730	2,489	2,497
Other seeds	450	251	182	156	156
Mint	4,604	3,756	6,130	7,598	5,866
Peppermint	1,701	1,509	2,968	4,200	3,437
Spearmint	2,903	2,247	3,162	3,398	2,429
Other field crops	1,808	1,937	1,787	878	938
Christmas trees	35,000	35,000	38,000	38,000	38,000
Greenhouse/nursery	148,358	153,813	153,278	156,152	163,143
Floriculture	49,358	54,813	54,278	57,152	59,143
Other greenhouse	99,000	99,000	99,000	99,000	104,000
Wyoming					
All commodities	806,192	841,001	783,333	728,064	661,979
Livestock and products	608,068	660,450	623,092	543,987	477,641
Meat animals	578,664	633,817	593,592	512,670	444,375
Cattle and calves	542,764	592,656	559,202	461,699	394,748
Hogs	4,864	7,726	6,356	9,787	17,278
Sheep and lambs	31,036	33,435	28,034	41,184	32,349
Dairy products	12,375	11,867	11,624	8,880	10,813
Milk, wholesale	12,375	11,867	11,624	8,880	10,813
Poultry/eggs	156	161	222	345	854
Other poultry	62	62	62	195	702
Miscellaneous livestock	16,873	14,605	17,654	22,092	21,599
Honey	1,550	991	1,841	999	2,657
Wool	6,938	4,184	6,168	7,693	4,997
Other livestock	8,385	9,430	9,645	13,400	13,945
Crops	198,124	180,551	160,241	184,077	184,338
Food grains	18,979	18,344	18,746	27,643	34,710
Wheat	18,979	18,344	18,746	27,643	34,710
Feed crops	90,136	86,793	79,258	87,151	88,866
Barley	17,598	23,609	18,878	22,291	30,072
Corn	9,886	7,634	9,737	12,608	15,270
Hay	61,682	54,185	49,679	50,843	41,617
Oats	970	1,365	964	1,409	1,907
Oil crops	229	233	238	244	201
Vegetables	25,472	20,356	16,584	17,972	18,462
Beans, dry	22,756	16,928	13,297	15,374	16,557
Potatoes	2,251	2,963	2,887	2,398	1,705
Miscellaneous vegetables	465	465	400	200	200
Fruits/nuts	12	12	10	10	10
Miscellaneous fruits and nuts	12	12	10	10	10
All other crops	63,296	54,813	45,405	51,057	42,089
Sugar beets	58,486	51,648	42,135	47,087	37,474
Other seeds	350	200	200	470	675
Other field crops	160	165	170	500	840
Greenhouse/nursery	4,300	2,800	2,900	3,000	3,100

NA = Not available.

¹USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous." The degree of underestimation in some of the minor commodities can be substantial.

Source: Economic Research Service, U.S. Department of Agriculture.

Appendix II
Major Data Sources
for the Value-Added/Farm
Income and Balance Sheet Accounts

The component items contained within the value added/farm income and balance sheet accounts are developed through analysis of numerous surveys and data provided by alternative sources.

Cash Receipts Accounts

Major Livestock Commodities

For the Major Producing States: After the close of the year, USDA's National Agricultural Statistics Service (NASS) publishes calendar year cash receipts and home consumption and we use those numbers. For the current year, we develop indexes to indicate direction and magnitude of changes in monthly sales quantities and multiply by NASS published monthly prices.

Major Crop Commodities

For the Major Producing States: NASS publishes, for the crop marketing year, quantity and value of production, neither of which we can use directly. We have to make a number of adjustments to the NASS quantity produced.

- The quantity produced is reduced by the used-on-farm to avoid double counting the value added in livestock receipts.
- The Commodity Credit Corporation (CCC) is one of two channels for producers to sell their production, with the balance going through open-market channels.
- NASS publishes quantities for crop marketing years. The quantities to be sold through open market channels are distributed by months and aggregated to calendar year quantities.
- That portion of the harvest not sold by December 31 is accounted for within the calendar year through placement into inventories, where it is valued at the calendar year weighted average price to preclude the changes in price from January 1 to December 31.
- If calendar year sales exceed the harvest, representing a drawdown of inventories produced in an earlier year, the negative value of the inventory change serves to offset the value of these sales.

Confidential Commodities and Producing States

NASS omits some commodities and/or States from its publications due to concerns regarding disclosing information about individual operations. NASS provides these data to us under an agreement that we will maintain the confidentiality. These are incorporated into the accounts, are reflected in the aggregates, and are tracked throughout to preclude release via the several outlets by which clients access the information.

Minor Commodities and Minor Producing States

These estimates are developed in cooperating with the NASS State Offices, which get data from any and all available sources. With the number and diversification of the commodities, one cannot easily summarize the sources and data quality.

Most States use informed opinions as a major source of data for cash receipts from commodities in the unpublished report. Most of these States check the informed opinions with three major sources: State survey programs, producer associations, and the State's extension service. California is unique in that it relies heavily on surveys that are conducted by organizations other than NASS. Some States use NASS-conducted surveys for estimating cash receipts of important minor commodities.

Incorporation of CCC Loan Statistics

The placement of farm commodities with the CCC has historically been treated as equivalent to a sale. Even though commonly referred to as a loan, the agreement is a nonrecourse loan, meaning that it is the farmer's decision as to whether to reverse the transaction for the purpose of reclaiming the commodity or to let the government retain possession and ownership. Obviously, the farmer will reclaim the commodity only if an additional profit can be made by doing so, meaning that it can be sold at a higher price (or if the farmer can avoid purchasing grain for feed at a higher price).

Production Expenses Accounts

Each year, ERS and NASS jointly conduct the Agricultural Resource Management Study (ARMS) in

two stages with surveys. Following the tabulation of the financial information, which is collected in the spring when farms have complete tax-year records, the Farm Production Expense Board meets in late June to establish production expense estimates for the Department of Agriculture. The Board established total expense levels for the 48 contiguous States and for each farm production region. In early July, NASS releases its annual Farm Production Expenditures report, which reports information as collected on the survey.

ERS releases official estimates of value-added farm income incorporating expense estimates established by the Board in the September issue of the *Agricultural Income and Finance Situation and Outlook Report*, in the subsequent issue of the *Farm Business Economics Report*, and on the ERS website (www.econ.ag.gov/briefing/fbe/fi/fi.htm).

ERS accounts are for the national farm sector, and estimates are expanded to include Hawaii and Alaska. ERS is also required to deliver preliminary and final value-added income estimates for the U.S. agricultural sector (and individual States), with detailed component accounts to the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce for use in developing estimates for gross domestic product, national income accounts, and regional income accounts.

For most components, ERS expense estimates are conceptually the same as those published by NASS, but there are exceptions when the estimates are more appropriate for sector or national income accounting. Two notable exceptions: The ERS **capital consumption** account is replacement cost and is based on a realistic or actual useful life and rate of consumption, rather than book value and tax-related depreciation

schedules. The ERS **interest expenses** are based on information collected from lenders, whereas the estimate published by NASS is that reported by farm operators. A significant portion of the debt, particularly that secured by farm real estate, is held by individuals and entities other than the onsite operator (landlords and partners, for example). All farmland is considered to be in the farm sector for purposes of sector and national income accounting.

Balance Sheet

The many surveys conducted by NASS are the source of real estate asset values (value per acre of land and buildings, land in farms) and data needed to estimate value of crops stored, and livestock and poultry inventories. Information from the Census of Agriculture is used to develop building and dwelling ratios (used to estimate farm business real estate values for land and farm buildings), value of machinery and equipment, and financial assets.

ARMS is the source of data used to estimate individuals' and others' farm debt, value of machinery and equipment, and value of purchased inputs.

USDA's Agricultural Cooperative Service provides data regarding net worth of rural electric cooperatives and net worth of rural telephone cooperatives.

Farm debt owed is developed from information provided by lenders including the Farm Credit Administration, USDA's Farm Service Agency, and the American Council of Life Insurance. Commercial bank debt is developed from data provided by the Board of Governors of the Federal Reserve System, the Comptroller of the Currency, and the Federal Deposit Insurance Corporation.